## EXHIBIT G

	CASE 0:15-md-02666-JNE-DTS	Doq.	<del>823-7</del>	Filed:	WPIDENTIAL SUBJECTION PROTECTIVE ORDER
	CONFIDENTIAL - SUBJECT TO PROTECTIVE ORDER		1		3 Filtration Levels, Dirkes, et al, 1
	1		2	4	pg. Richard Putnam Wenzel, Curriculum
1				•	Vitae
2	2 DISTRICT OF MINNESOTA		3	5	EXHIBIT B, Chart of Materials Sent to Dr. Richard Wenzel, 21 pgs.
2		-	4	6	Group exhibit, Letters, Briley and Wenzel to Blackwell Burke and hours
4			5	_	and expenses
	5 Bair Hugger Forced Air Warming		6	7	Letters, Wenzel and Briley to Blackwell burke and hours
-	Products Liability Litigation		7	8	Article, INFECTION IN EXPERIMENTAL HIP ARTHROPLASTIES, Southwood, et
					al, Journal of Bone and Joint, Vol.
	This Document Relates To:  All Actions MDL No. 15-2666 (JNE/FLM	,	8	9	67-B, No 2. March 1985 Article, A New Model of
10			9		Experimental Prosthetic Joint Infection Due to
11			10		Methicillin-Resistant
12			11		Staphylococcus aureus: A Microbiologic, Histopathologic, and
13			12		Magnetic Resonance Imaging Characterization, Belmatoug, et al,
14			13		Journal of Infectious Diseases,
15	·			10	1996, 174 email string, Wenzel to Darouiche,
16			14	11	4/7, 2017, 6 pgs. Article, Airborne bacterial
15			15		contamination during orthopedic surgery: A Randomized controlled
18	3 (The following is the deposition of RICHAI	RD	16		pilot trial, Journal of Clinical
19	P. WENZEL, M.D., MSc., taken pursuant to Notice of		17	12	Anesthesia, 2017 - with markings Article, Forced-Air Warming Does
20	Taking Deposition, via videotape, at the Hausfeld la	aw	18		Not Worsen Air Quality in Laminar Flow Operating Rooms, Sessler, et
21	firm, 1700 K Street Northwest, Suite 650, in the Cit	-y	19	1.2	al, Anesthesia, 2011, with markings
22	of Washington, District of Columbia, commencing at			13	Excerpt, A Guide to Infection Control in the Hospital, Fourth
23	approximately 9:08 o'clock a.m., August 4, 2017.)		20		Edition, Wenzel, et al, including Chapter 21
24	4		21		
25	;		22 23		
	STIREWALT & ASSOCIATES		24 25		
	1-800-553-1953 info@stirewalt.com				STIREWALT & ASSOCIATES 1-800-553-1953 info@stirewalt.com
CC	ONFIDENTIAL - SUBJECT TO PROTECTIVE ORDER				NFIDENTIAL - SUBJECT TO PROTECTIVE ORDER
1 APPEARA					4
	ehalf of the Plaintiffs: abriel Assaad	09	9:08:40 <b>1</b>		PROCEEDINGS
	ENNEDY HODGES 409 Montrose Boulevard	09	9:08:40 2	(Witn	ess sworn.)
_ S	uite 200 ouston, Texas 77006		3	`	RICHARD P. WENZEL, M.D., MSc.,
	en Gordon		4		Called as a witness, being first
LI	EVIN PAPANTONIO, P.A.		5		duly sworn, was examined and
S	16 S. Baylen Street uite 600		6		,
<b>8</b> P	ensacola, Florida 32502				testified as follows:
			7		testified as follows:  EXAMINATION
<b>9</b> G	enevieve M. Zimmerman		7 8	BY MR. A	EXAMINATION
9 G M 10 1	ESHBESHER & SPENCE, LTD. 616 Park Avenue	09		BY MR. A	EXAMINATION
9 G M 10 1 M	ESHBESHER & SPENCE, LTD. 616 Park Avenue inneapolis, Minnesota 55404		8		EXAMINATION ASSAAD:
9 G M 10 1. M 11 On B	ESHBESHER & SPENCE, LTD. 616 Park Avenue inneapolis, Minnesota 55404 ehalf of the Defendants:	09	9:08:59 <b>9</b>	Q.	EXAMINATION ASSAAD: Please state your name.
9 G M 10 i M 11 On B 12 C	ESHBESHER & SPENCE, LTD. 616 Park Avenue inneapolis, Minnesota 55404	09	8 9:08:59 <b>9</b> 9:09:00 <b>10</b>	Q. A.	EXAMINATION ASSAAD: Please state your name. Richard Wenzel.
9 G M 10 1 11 On B 12 C 13 PP B	ESHBESHER & SPENCE, LTD. 616 Park Avenue inneapolis, Minnesota 55404 ehalf of the Defendants: orey L. Gordon eter J. Goss LACKWELL BURKE P.A.	09	9:08:59 9 9:09:00 10 9:09:03 11	Q. A. Q. A.	EXAMINATION ASSAAD: Please state your name. Richard Wenzel. And what's your current address?
9 G M 10 1 11 11 12 C 13 P 14 4 S	ESHBESHER & SPENCE, LTD. 616 Park Avenue inneapolis, Minnesota 55404  ehalf of the Defendants:  orey L. Gordon eter J. Goss  LACKWELL BURKE P.A. 31 South Seventh Street uite 2500	09	8 9:08:59 9:09:00 10 9:09:03 11 9:09:05 12	Q. A. Q. A.	EXAMINATION  ASSAAD:  Please state your name.  Richard Wenzel.  And what's your current address?  1420 Mosquito Point Road, White Stone,
9 G M 10 1: M 11 On B 12 C 13 P: 14 4 S 15 M	ESHBESHER & SPENCE, LTD. 616 Park Avenue inneapolis, Minnesota 55404 ehalf of the Defendants: orey L. Gordon eter J. Goss LACKW ELL BURKE P.A. 31 South Seventh Street uite 2500 inneapolis, Minnesota 55415	05 05 05 05	8 9:08:59 9 9:09:00 10 9:09:03 11 9:09:05 12 9:09:09 13	Q. A. Q. A. Virginia.	EXAMINATION  ASSAAD:  Please state your name.  Richard Wenzel.  And what's your current address?  1420 Mosquito Point Road, White Stone,  Home address you wanted.  Yeah. And your business address, if you
9 G M 10 1 11 On B 12 C 13 P 14 4 15 M	ESHBESHER & SPENCE, LTD. 616 Park Avenue inneapolis, Minnesota 55404  ehalf of the Defendants:  orey L. Gordon eter J. Goss LACKWELL BURKE P.A. 31 South Seventh Street uite 2500 inneapolis, Minnesota 55415  ESENT:	20 20 20 20 20 20	8 9:08:59 9 10 9:09:09 11 12 99:09:05 12 99:09:01 13	Q. A. Q. A. Virginia. Q.	EXAMINATION  ASSAAD:  Please state your name.  Richard Wenzel.  And what's your current address?  1420 Mosquito Point Road, White Stone,  Home address you wanted.  Yeah. And your business address, if you
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9 G M 10 1 11 11 On B 12 C 13 P 14 4 5 15 M 16 ALSO PR 17 Rona	ESHBESHER & SPENCE, LTD. 616 Park Avenue inneapolis, Minnesota 55404  ehalf of the Defendants:  orey L. Gordon eter J. Goss LACKWELL BURKE P.A. 31 South Seventh Street uite 2500 inneapolis, Minnesota 55415  ESENT:  Id M. Huber, Videographer  EXAMINATION INDEX	05 05 06 06 06 06 06 06 06	8 9:08:59 9 9:09:00 10 9:09:05 12 9:09:05 12 9:09:01 14 9:09:11 15 9:09:14 16	Q. A. Q. A. Virginia. Q. have one	EXAMINATION  ASSAAD:  Please state your name.  Richard Wenzel.  And what's your current address?  1420 Mosquito Point Road, White Stone,  Home address you wanted.  Yeah. And your business address, if you  2?  The post office is P.O. Box 901, and again
9 G M 10 1: M 11 On B 12 C 13 Pi 14 4 S 15 M 16 ALSO PR 17 Rona	ESHBESHER & SPENCE, LTD. 616 Park Avenue inneapolis, Minnesota 55404  ehalf of the Defendants:  orey L. Gordon eter J. Goss LACKWELL BURKE P.A. 31 South Seventh Street uite 2500 inneapolis, Minnesota 55415  ESENT:  Id M. Huber, Videographer  EXAMINATION INDEX S EXAMINED BY PAGE	000 000 000 000 000 000 000 000 000 00	8 9:09:08:59 9 9:09:00 10 9:09:05 12 9:09:05 13 99:09:11 14 99:09:14 16 99:09:17 17	Q. A. Virginia. Q. have one A. White St	EXAMINATION  ASSAAD:  Please state your name.  Richard Wenzel.  And what's your current address?  1420 Mosquito Point Road, White Stone,  Home address you wanted.  Yeah. And your business address, if you  2?  The post office is P.O. Box 901, and again one, Virginia, 22578, so.
9 G M 10 1 11 On B 12 C 13 P 14 4 5 M 16 ALSO PR 17 Rona 18 WITNES:	ESHBESHER & SPENCE, LTD. 616 Park Avenue inneapolis, Minnesota 55404  ehalf of the Defendants:  orey L. Gordon eter J. Goss LACKWELL BURKE P.A. 31 South Seventh Street uite 2500 inneapolis, Minnesota 55415  ESENT:  Id M. Huber, Videographer  EXAMINATION INDEX S EXAMINED BY PAGE zel Mr. Assaad	05 05 05 05 05 05 05 05 05	8 9:08:59 9 9:09:09 10 10 99:09:03 11 99:09:05 12 99:09:11 14 19:09:11 15 99:09:14 16 19:09:17 17	Q. A. Virginia. Q. have one A. White St	EXAMINATION  ASSAAD:  Please state your name.  Richard Wenzel.  And what's your current address?  1420 Mosquito Point Road, White Stone,  Home address you wanted.  Yeah. And your business address, if you  2?  The post office is P.O. Box 901, and again one, Virginia, 22578, so.  Are you still affiliated with Virginia
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9 G M 10 1 11 On B 12 C 13 P 14 4 5 M 16 ALSO PR 17 Rona 18 WITNES 19 Dr. Wen 20 21 EXHIBIT Wenzel 21 23 2	ESHBESHER & SPENCE, LTD. 616 Park Avenue inneapolis, Minnesota 55404  ehalf of the Defendants: orey L. Gordon eter J. Goss LACKWELL BURKE P.A. 31 South Seventh Street uite 2500 inneapolis, Minnesota 55415  ESENT:  Id M. Huber, Videographer  EXAMINATION INDEX S EXAMINED BY PAGE Zel Mr. Assaad  EXHIBIT INDEX DESCRIPTION PAGE  Expert Report, Richard P. Wenzel, 79 pgs. Dr. Richard Wenzel, Exhibit B, 3 pgs.	05 05 05 05 05 05 05 05 05 05 05 05 05 0	8 9:09:08:59 9 9:09:00 10 9:09:05 12 9:09:05 13 9:09:01 14 99:09:14 16 99:09:14 17 99:09:14 18 99:09:25 19 99:09:25 20 99:09:28 21	Q. A. Virginia. Q. have one A. White St Q. Common A. formally	EXAMINATION  ASSAAD:  Please state your name.  Richard Wenzel.  And what's your current address?  1420 Mosquito Point Road, White Stone,  Home address you wanted.  Yeah. And your business address, if you  2?  The post office is P.O. Box 901, and again one, Virginia, 22578, so.  Are you still affiliated with Virginia iwealth University?  Yep. I'm still teaching. I'm sort of retired, but they bring us back every now and of I I teach.
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9 G M 10 1 11 On B 12 C 13 P 14 4 5 M 16 ALSO PR 17 Rona 18 WITNES 19 Dr. Wen 20 21 EXHIBIT Wenzel 21 23 2	ESHBESHER & SPENCE, LTD. 616 Park Avenue inneapolis, Minnesota 55404  ehalf of the Defendants:  orey L. Gordon eter J. Goss  LACKWELL BURKE P.A. 31 South Seventh Street uite 2500 inneapolis, Minnesota 55415  ESENT:  Id M. Huber, Videographer  EXAMINATION INDEX S EXAMINED BY PAGE Zel Mr. Assaad  EXHIBIT INDEX DESCRIPTION PAGE  Expert Report, Richard P. Wenzel, 79 pgs. Dr. Richard Wenzel, Exhibit B, 3 pgs. Abstract, Convection Warming in the	000 000 000 000 000 000 000 000 000 00	8 9:08:59 9 9:09:00 10 9:09:05 12 9:09:09 13 9:09:11 14 9:09:13 15 9:09:14 16 9:09:17 17 9:09:21 18 9:09:25 19 9:09:25 20 9:09:28 21 9:09:31 22 9:09:33 23	Q. A. Q. A. Virginia. Q. have one A. White St Q. Common A. formally then. Sc Q. A.	EXAMINATION  ASSAAD:  Please state your name.  Richard Wenzel.  And what's your current address?  1420 Mosquito Point Road, White Stone,  Home address you wanted.  Yeah. And your business address, if you  2?  The post office is P.O. Box 901, and again one, Virginia, 22578, so.  Are you still affiliated with Virginia wealth University?  Yep. I'm still teaching. I'm sort of retired, but they bring us back every now and of I I teach.  Have you had your deposition taken before?  Never.

	CC	CASE 0:15-md-02666-JNE-DTS Doc NFIDENTIAL - SUBJECT TO PROTECTIVE ORDER	). <del>823-7</del>	Filed 09/12/17 Page 4 of 95 CONFIDENTIAL - SUBJECT TO PROTECTIVE ORI
09:09:38	A.	Yeah.	09:11:25 <b>1</b>	7 <b>A.</b> That's right.
9:09:39 <b>2</b>	Q.	Is this your first time being an expert	09:11:25 <b>2</b>	Q. Okay. And you understand as an expert you
9:09:40 3	witness i	n a case?	09:11:28 3	
9:09:41 4	A.	No. I've been asked questions four other	09:11:29 4	A. Yes.
9:09:44 <b>5</b>	times. V	Vant to hear about those, or?	09:11:30 <b>5</b>	Q. Not an advocate for either side. You
9:09:47 6	Q.	Four other times?	09:11:33 6	understand that.
9:09:48 7	A.	Yeah.	09:11:33 7	A. I'm not an advocate.
9:09:49	Q.	I'll get to that in a second.	09:11:39	Q. Okay. How is it that you became involved in
9:09:51		Since this is your first deposition I'm	09:11:41	
9:09:53 10	going to	go through the rules very carefully.	09:11:43 10	A. Guessing roughly two and a half years ago a
9:09:55 11		Sure.	09:11:47 11	representative from Greenberg Traurig called me.
9:09:55 12	Q.	I'm going to ask you numerous questions. If	09:11:50 12	
0:09:57 13		t understand the question, please let me know.	09:11:52 13	
:09:59 14	Fair?	t and ordered and question, product for the fallow	09:11:55 14	
:09:59 15	Α.	Yes.	09:11:57 15	
:10:00 16		If you answer the question, I'll assume that	09:11:58 16	_
:10:01 17		erstood the question. Fair?	09:11:59 17	
:10:03 18		Yes.	09:12:02 18	•
10:03 10	Q.	At any time you want to take a break, please	09:12:02 10	_
9:10:05 20	•	now. I just ask that you request a break	09:12:04 13	_
110:05 20		answer a pending question. Fair?	09:12:08 20	
9:10:07 21	_	Yes.	09:12:08 21	
:10:09 22			09:12:10 22	·
		And if at any time you want to correct an		
24		ater on that you gave previously, just please	09:12:20 24	•
:10:23 <b>25</b>	iet me ki	now, we can always go back.	09:12:23 <b>25</b>	
		STIREWALT & ASSOCIATES		STIREWALT & ASSOCIATES
		1-800-553-1953 info@stirewalt.com		1-800-553-1953 info@stirewalt.com
		NRFIDENTIAL - SUBJECT TO PROTECTIVE ORDER 6		CONFIDENTIAL - SUBJECT TO PROTECTIVE ORI
9:10:24	A.	Good.	09:12:24	Q. Do you know Michelle Stevens?
9:10:25	Q.	Today I am representing over 2700 plaintiffs	09:12:25	<b>A.</b> I do.
9:10:28	in a mult	idistrict litigation, and my goal is to	09:12:26	Q. How do you know Michelle Stevens?
:10:30 4	understa	nd all your opinions today and to understand	09:12:28 4	A. Roughly starting in 2009. As background, I
9:10:34 <b>5</b>	what you	ı are going to be testifying at trial.	09:12:34 <b>5</b>	had been invited to Mexico during the height of the
9:10:36	,	Do you understand that?	09:12:38 6	
:10:37 7	Α.	Yes, I do.	09:12:43 7	
:10:37		So I want a clean record, and I don't want	09:12:46	
:10:39		there's anything that needs to be corrected,	09:12:50	high-risk patients, this is before anybody knew
10:42		r to correct it today because I will not	09:12:52 10	anything, were obese patients and pregnant patients,
0:10:45		other opportunity or I may not have another	09:12:57 11	and they were all about 21 years old. I made rounds
7.10.40		nity to take your deposition again.	09:12:59 12	
10:47 12	ODDOFFIII	ity to take your deposition again.		111 1005.
	opportur	Do you understand that?	00.13.03	I was asked by I'm trying to think of hor
:10:49 13		Do you understand that?	09:13:02 13	, , , , ,
0:10:49 13 0:10:50 14	Α.	I do.	09:13:07 14	name, Deborah Gardner from who's an administrator
:10:49 <b>13</b> :10:50 <b>14</b> :10:50 <b>15</b>	A. Q.	I do. Okay. And also, for the court reporter,	09:13:07 <b>14</b> 09:13:09 <b>15</b>	name, Deborah Gardner from who's an administrator with 3M, if I'd be willing to go to four countries in
110:49 13 1:10:50 14 1:10:50 15 1:10:58 16	A. Q. please w	I do. Okay. And also, for the court reporter, ait till I finish my question before you begin	09:13:07 <b>14</b> 09:13:09 <b>15</b> 09:13:13 <b>16</b>	name, Deborah Gardner from who's an administrator with 3M, if I'd be willing to go to four countries in South America as part of their infection control
110:49 13 1:10:50 14 1:10:50 15 1:10:58 16 1:11:00 17	A. Q. please w answerin	I do. Okay. And also, for the court reporter, ait till I finish my question before you begin ag even though you might know what the question	09:13:07	name, Deborah Gardner from who's an administrator with 3M, if I'd be willing to go to four countries in South America as part of their infection control education program. And I think that that first trip I
110:49 13 110:50 14 110:50 15 110:58 16 111:00 17	A. Q. please w answerir is, and I	I do. Okay. And also, for the court reporter, ait till I finish my question before you begin ag even though you might know what the question Il also wait for your answer before I ask my	09:13:07	name, Deborah Gardner from who's an administrator with 3M, if I'd be willing to go to four countries in South America as part of their infection control education program. And I think that that first trip I think also involved Mexico. So that was later on in
110:49 13 110:50 14 110:50 15 110:58 16 111:00 17 111:02 18 111:05 19	A. Q. please w answerir is, and I' next que	I do. Okay. And also, for the court reporter, ait till I finish my question before you begin ag even though you might know what the question Il also wait for your answer before I ask my astion so that we have a clean record and we	09:13:07	name, Deborah Gardner from who's an administrator with 3M, if I'd be willing to go to four countries in South America as part of their infection control education program. And I think that that first trip I think also involved Mexico. So that was later on in 2009, and I was very excited because I got a chance to
110:49 13 110:50 14 110:50 15 110:58 16 111:00 17 111:02 18 111:05 19 111:07 20	A. Q. please w answerir is, and I' next que don't up:	I do. Okay. And also, for the court reporter, ait till I finish my question before you begin ag even though you might know what the question all also wait for your answer before I ask my astion so that we have a clean record and we set the wonderful court reporter that's taking	09:13:07 14 09:13:09 15 09:13:13 16 09:13:18 17 09:13:23 18 09:13:27 19 09:13:32 20	name, Deborah Gardner from who's an administrator with 3M, if I'd be willing to go to four countries in South America as part of their infection control education program. And I think that that first trip I think also involved Mexico. So that was later on in 2009, and I was very excited because I got a chance to go back to Mexico to get a follow-up of what I had
13 13 14 15 15 15 16 16 16 16 16 16 16 16 16 16 16 16 16	A. Q. please w answerir is, and I' next que don't up:	I do. Okay. And also, for the court reporter, ait till I finish my question before you begin ag even though you might know what the question all also wait for your answer before I ask my astion so that we have a clean record and we set the wonderful court reporter that's taking our words.	09:13:07 14 09:13:09 15 09:13:13 16 09:13:18 17 09:13:23 18 09:13:27 19 09:13:32 20 09:13:37 21	name, Deborah Gardner from who's an administrator with 3M, if I'd be willing to go to four countries in South America as part of their infection control education program. And I think that that first trip I think also involved Mexico. So that was later on in 2009, and I was very excited because I got a chance to go back to Mexico to get a follow-up of what I had observed, and also now it was the winter in South
10:49 13 10:50 14 10:50 15 10:58 16 11:00 17 11:02 18 11:05 19 11:07 20 11:10 21 11:11 22	A. Q. please w answerir is, and I' next que don't up down all	I do. Okay. And also, for the court reporter, ait till I finish my question before you begin ag even though you might know what the question all also wait for your answer before I ask my astion so that we have a clean record and we set the wonderful court reporter that's taking our words.  Do you understand that?	09:13:07 14 09:13:09 15 09:13:13 16 09:13:18 17 09:13:23 18 09:13:27 19 09:13:32 20 09:13:37 21 09:13:41 22	name, Deborah Gardner from who's an administrator with 3M, if I'd be willing to go to four countries in South America as part of their infection control education program. And I think that that first trip I think also involved Mexico. So that was later on in 2009, and I was very excited because I got a chance to go back to Mexico to get a follow-up of what I had observed, and also now it was the winter in South America so they were undergoing their own beginning
110:49 13 110:50 14 110:50 15 110:58 16 111:00 17 111:02 18 111:05 19 111:07 20 111:10 21 111:11 22 111:11 22	A. Q. please w answerir is, and I' next que don't up down all	I do. Okay. And also, for the court reporter, ait till I finish my question before you begin ag even though you might know what the question all also wait for your answer before I ask my astion so that we have a clean record and we set the wonderful court reporter that's taking our words.  Do you understand that? Yes.	09:13:07 14 09:13:09 15 09:13:13 16 09:13:18 17 09:13:23 18 09:13:27 19 09:13:32 20 09:13:37 21 09:13:41 22 09:13:44 23	name, Deborah Gardner from who's an administrator with 3M, if I'd be willing to go to four countries in South America as part of their infection control education program. And I think that that first trip I think also involved Mexico. So that was later on in 2009, and I was very excited because I got a chance to go back to Mexico to get a follow-up of what I had observed, and also now it was the winter in South America so they were undergoing their own beginning epidemic
9:10:49 13 9:10:50 14 9:10:50 15 9:10:58 16 9:11:00 17 9:11:02 18 9:11:05 19 9:11:07 20 9:11:10 21 9:11:11 22 9:11:12 23 9:11:23 24	A. Q. please w answerir is, and I' next que don't up down all	I do. Okay. And also, for the court reporter, ait till I finish my question before you begin ag even though you might know what the question all also wait for your answer before I ask my astion so that we have a clean record and we set the wonderful court reporter that's taking our words. Do you understand that? Yes. Now you've been asked to be an expert in	09:13:07 14 09:13:09 15 09:13:13 16 09:13:18 17 09:13:23 18 09:13:27 19 09:13:32 20 09:13:37 21 09:13:41 22 09:13:44 23 09:13:44 24	name, Deborah Gardner from who's an administrator with 3M, if I'd be willing to go to four countries in South America as part of their infection control education program. And I think that that first trip I think also involved Mexico. So that was later on in 2009, and I was very excited because I got a chance to go back to Mexico to get a follow-up of what I had observed, and also now it was the winter in South America so they were undergoing their own beginning epidemic  Q. I don't mean to interrupt. I don't need
2:10:49 13 0:10:50 14 0:10:50 15 0:10:58 16 0:11:00 17 0:11:02 18 0:11:05 19 0:11:07 20 0:11:10 21 0:11:11 22 0:11:12 23 0:11:12 24	A. Q. please w answerir is, and I' next que don't up down all	I do. Okay. And also, for the court reporter, ait till I finish my question before you begin ag even though you might know what the question all also wait for your answer before I ask my astion so that we have a clean record and we set the wonderful court reporter that's taking our words. Do you understand that? Yes. Now you've been asked to be an expert in the correct?	09:13:07 14 09:13:09 15 09:13:13 16 09:13:18 17 09:13:23 18 09:13:27 19 09:13:32 20 09:13:37 21 09:13:41 22 09:13:44 23	name, Deborah Gardner from who's an administrator with 3M, if I'd be willing to go to four countries in South America as part of their infection control education program. And I think that that first trip I think also involved Mexico. So that was later on in 2009, and I was very excited because I got a chance to go back to Mexico to get a follow-up of what I had observed, and also now it was the winter in South America so they were undergoing their own beginning epidemic  Q. I don't mean to interrupt. I don't need that much detail. I just want to know
9:10:47 12 9:10:49 13 9:10:50 14 9:10:50 15 9:10:58 16 9:11:00 17 9:11:02 18 9:11:05 19 9:11:07 20 9:11:10 21 9:11:11 22 9:11:12 23 9:11:23 24 9:11:24 25	A. Q. please w answerir is, and I' next que don't up down all A. Q. this case	I do. Okay. And also, for the court reporter, ait till I finish my question before you begin ag even though you might know what the question all also wait for your answer before I ask my astion so that we have a clean record and we set the wonderful court reporter that's taking our words. Do you understand that? Yes. Now you've been asked to be an expert in	09:13:07 14 09:13:09 15 09:13:13 16 09:13:18 17 09:13:23 18 09:13:27 19 09:13:32 20 09:13:37 21 09:13:41 22 09:13:44 23 09:13:44 24	name, Deborah Gardner from who's an administrator with 3M, if I'd be willing to go to four countries in South America as part of their infection control education program. And I think that that first trip I think also involved Mexico. So that was later on in 2009, and I was very excited because I got a chance to go back to Mexico to get a follow-up of what I had observed, and also now it was the winter in South America so they were undergoing their own beginning epidemic  Q. I don't mean to interrupt. I don't need

	CC	CASE 0:15-md-02666-JNE-DTS DOONFIDENTIAL-SUBJECT TO PROTECTIVE ORDER	<del>. 823-7</del>	Filed 09/12/17 Page 5 of 95 CONFIDENTIAL - SUBJECT TO PROTECTIVE ORDER
09:13:47	Α.	9 Okay.	09:16:01 <b>1</b>	11 <b>A.</b> I think
09:13:49	Q.	how and when you met her.	09:16:01 2	MR. COREY GORDON: I move
09:13:50	-•	Okay. So that So basically on that trip,	09:16:01 3	THE WITNESS: Wait. Okay.
09:13:51		e on the trip and she was a pediatric	09:16:02 4	MR. COREY GORDON: to strike counsel's
09:13:57 <b>5</b>		s disease, I was an adult infectious disease.	09:16:03 5	characterization and want to note for the record that
•		I wound up giving about three lectures per	09:16:05	we interposed an objection to certain of the subpoena
-		ach country	_	requests. In the ensuing time period we have re
•	•	•		
•	_	So you met her on the trip?		revisited those objections, and even though we believe that what that the stack of materials is
09:14:07 9	Α.	and visited a lot of hospitals there.	09:16:16 9	
09:14:09 10	Q.	Okay. You met her on the trip.	09:16:22 10	would be protected, we have decided to waive that
09:14:10 11	Α.	Yeah.	09:16:25 11	and go ahead and make that available to you, which we
09:14:10 12	Q.	Okay. In Mexico. Fair enough.	09:16:32 12	did today. So there You can now ask your
09:14:12 13		Have you	09:16:34 13	question.
09:14:12 14	_	Do you consult for 3M?	09:16:36 14	BY MR. ASSAAD:
09:14:15 15	Α.	One time I did.	09:16:36 15	<b>Q.</b> Did you produce those documents to your
09:14:16 16	Q.	At what time? At what period of time?	09:16:37 16	counsel by June 21st, 2017?
09:14:18 17	A.	Probably three, four years ago they asked me	09:16:40 17	<b>A.</b> Yeah. I made the deadline.
09:14:20 18	one que	stion, if I would review a meta-analysis	09:16:42 18	<b>Q.</b> And would you agree with me that the stack
09:14:25 19	related t	o one of the drapes that they had. So	09:16:45 19	is about a foot high?
09:14:28 <b>20</b>	unrelate	d to the Bair Hugger.	09:16:46 <b>20</b>	<b>A.</b> It's a foot high, yeah.
09:14:29 <b>21</b>	Q.	Okay. And were you paid for that?	09:16:47 <b>21</b>	Q. Okay. And that contains all of the articles
09:14:32 <b>22</b>	A.	I was.	09:16:50 <b>22</b>	that you reviewed?
09:14:33 23	Q.	And how much how much per hour were you	09:16:52 23	A. I don't know if it's all of them, but all
09:14:36 <b>24</b>	paid for	that?	09:16:53 24	the ones I underlined for sure.
09:14:36 <b>25</b>	Α.	Six hundred dollars an hour, and best that I	09:16:55 <b>25</b>	Q. Okay. So many of those documents have
		STIREWALT & ASSOCIATES		STIREWALT & ASSOCIATES
		1-800-553-1953 info@stirewalt.com		1-800-553-1953 info@stirewalt.com
		ONFIDENTIAL - SUBJECT TO PROTECTIVE ORDER		CONFIDENTIAL - SUBJECT TO PROTECTIVE ORDER
		10		12
09:14:38 1	can rem	ember it was about 10 hours.	09:16:56 1	underlines in them?
09:14:44 <b>2</b>	_	Do you still keep in touch with Michelle	09:16:58 2	A. Yeah. I'm kind of a nerd and underline a
09:14:47 3	Hulse St		09:17:00 3	
09:14:48 4	_	No, haven't.	09:17:02 4	Q. Okay. And many of those documents
_	_	You were issued a subpoena in this case. Do	09:17:10 5	MR. BEN GORDON: That was produced, too.
09:14:49 <b>5</b>	you reca			That's also his.
-	•	I do.	_	Q. Oh I forgot, we have another we have
09:14:58				another thing to add to the pile so now it's over one
09:14:58	_	Okay. And you reviewed the subpoena?	09:17:15	-
09:15:00 9	Α.	I did.	09:17:17 9	foot. You agree?
09:15:00 10		Okay. And the subpoena requested that you	09:17:18 10	A. Yes, I do.
09:15:02 11		documents by June 21st, 2017. Do you recall	09:17:18 11	Q. Okay. And so those documents are documents
09:15:05 12	that?	- 1	09:17:20 12	that you have highlights on, or underlines?
09:15:06 13	_	I do.	09:17:22 13	A. Yes.
09:15:06 14		Did you produce all your documents that were	09:17:23 14	Q. Documents that you have notes on?
09:15:09 15		ve to the subpoena to counsel?	09:17:24 15	A. Yes.
09:15:11 16		Yeah. I actually pulled everything, sent it	09:17:25 16	<b>Q.</b> You actually have actually handwritten notes
09:15:14 17		counsel and they sent it on.	09:17:27 17	on regular paper as well?
09:15:16 18	Q.	Okay. What's been placed in front of you is	09:17:29 18	<b>A.</b> I think I do. I don't
	a pile of	documents that was produced to the	09:17:31 19	Q. If you look at
09:15:40 19	nlaintiffs	today in response to your subpoena that	09:17:32 <b>20</b>	There's a yellow sheet there and a couple
	pidiriting	oposedly due to the plaintiffs on June 21st,	09:17:35 <b>21</b>	other sheets.
09:15:43 <b>20</b>		procedity and to the planting on Jame 220th		
09:15:43 <b>20</b> 09:15:49 <b>21</b>		, , , , , , , , , , , , , , , , , , , ,	09:17:35 <b>22</b>	<b>A.</b> Yeah.
09:15:43 <b>20</b> 09:15:49 <b>21</b> 09:15:53 <b>22</b>	were su		09:17:35 <b>22</b> 09:17:36 <b>23</b>	
09:15:43 <b>20</b> 09:15:49 <b>21</b> 09:15:53 <b>22</b> 09:15:55 <b>23</b>	were sup 2017.	Are those the documents that you produced to		<ul><li>A. Yeah.</li><li>Q. Okay. You have You have deposition transcripts?</li></ul>
09:15:40 19 09:15:43 20 09:15:49 21 09:15:53 22 09:15:55 23 09:15:58 24 09:16:00 25	were sup 2017. defense	Are those the documents that you produced to counsel in this case responsive to the	09:17:36 <b>23</b> 09:17:37 <b>24</b>	<b>Q.</b> Okay. You have You have deposition transcripts?
09:15:43 <b>20</b> 09:15:49 <b>21</b> 09:15:53 <b>22</b> 09:15:55 <b>23</b>	were sup 2017.	Are those the documents that you produced to counsel in this case responsive to the	09:17:36 23	Q. Okay. You have You have deposition

<del>q. 823-7</del>	Filed 09/12/17 Page 6 of 95 CONFIDENTIAL - SUBJECT TO PROTECTIVE ORDER
•	CONFIDENTIAL - SUBJECT TO PROTECTIVE ORDER
09:19:09	MR. COREY GORDON: As a courtesy to the
09:19:11 2	court reporter, if no one else, I am simply asking
09:19:14 3	you, Mr. Assaad, to try to chill out a little bit and
09:19:20 4	wait until either Dr. Wenzel has finished his answer,
09:19:24 <b>5</b>	I have finished my objection before you launch into
09:19:27 6	whatever you want to want to speak about.
09:19:29 7	MR. ASSAAD: I will give you a continuing
09:19:31	objection that my line of questioning is
09:19:36	objectionable.
09:19:37 10	MR. COREY GORDON: No. I'm not going to
09:19:38 11	take a continuing objection. I will interpose
09:19:41 12	objections
09:19:41 13	MR. ASSAAD: Okay.
09:19:41 14	MR. COREY GORDON: as I see fit. I just
09:19:43 15	ask you to give me and the witness and the court
09:19:43 16	reporter
09:19:43 17	MR. ASSAAD: I
09:19:46 18	MR. COREY GORDON: the courtesy of not
09:19:47 19	talking trying to talk over us. We We went
09:19:51 <b>20</b>	through an unpleasant
09:19:52 <b>21</b>	MR. ASSAAD: I got I got I got it,
09:19:52 <b>22</b>	Corey.
	MR. COREY GORDON: You're doing it right
	now, Gabe.
09:19:55 <b>25</b>	MR. ASSAAD: Well Corey, you don't need to
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	CONFIDENTIAL - SUBJECT TO PROTECTIVE ORDER 16
00:10:56 1	waste time. We don't have a lot of time, we have a
_	huge expert report to go through that he spent 300
	hours on.
	Q. I'm just asking if he thinks it would be
09:20:03 5	fair if I gave him a foot and a half of documents on
09:20:05	the day of his deposition to answer questions on.
09:20:08 7	MR. COREY GORDON: My objections are the
09:20:09	same.
09:20:10	A. Again, what I would say is I met my
09:20:13 10	obligation to get the documents to the legal firm on
09:20:17 11	time.
09:20:20 12	Q. So you don't want to answer my question, is
09:20:22 13	that
09:20:22 14	A. No, I mean, I think it would be if you
09:20:25 15	gave me this to read in one day, yeah, that would be
09:20:28 16	challenging.
09:20:28 <b>16</b> 09:20:29 <b>17</b>	challenging.  Q. Okay. It would be challenging; correct?
	<ul><li>Q. Okay. It would be challenging; correct?</li><li>A. Yes.</li></ul>
09:20:29 <b>17</b> 09:20:31 <b>18</b> 09:20:32 <b>19</b>	<ul><li>Q. Okay. It would be challenging; correct?</li><li>A. Yes.</li><li>Q. Okay. I mean, from</li></ul>
09:20:29 <b>17</b> 09:20:31 <b>18</b> 09:20:32 <b>19</b> 09:20:33 <b>20</b>	<ul> <li>Q. Okay. It would be challenging; correct?</li> <li>A. Yes.</li> <li>Q. Okay. I mean, from I mean, you wouldn't expect to give one of</li> </ul>
09:20:29 17 09:20:31 18 09:20:32 19 09:20:33 20 09:20:35 21	<ul> <li>Q. Okay. It would be challenging; correct?</li> <li>A. Yes.</li> <li>Q. Okay. I mean, from  I mean, you wouldn't expect to give one of your students a foot and a half of documents and to</li> </ul>
09:20:29 17 09:20:31 18 09:20:32 19 09:20:33 20 09:20:35 21 09:20:38 22	<ul> <li>Q. Okay. It would be challenging; correct?</li> <li>A. Yes.</li> <li>Q. Okay. I mean, from  I mean, you wouldn't expect to give one of your students a foot and a half of documents and to answer questions on it in seven in seven hours;</li> </ul>
09:20:29 17 09:20:31 18 09:20:32 19 09:20:33 20 09:20:35 21 09:20:38 22 09:20:41 23	<ul> <li>Q. Okay. It would be challenging; correct?</li> <li>A. Yes.</li> <li>Q. Okay. I mean, from  I mean, you wouldn't expect to give one of your students a foot and a half of documents and to answer questions on it in seven in seven hours; would you?</li> </ul>
09:20:29 17 09:20:31 18 09:20:32 19 09:20:33 20 09:20:35 21 09:20:38 22	<ul> <li>Q. Okay. It would be challenging; correct?</li> <li>A. Yes.</li> <li>Q. Okay. I mean, from  I mean, you wouldn't expect to give one of your students a foot and a half of documents and to answer questions on it in seven in seven hours; would you?</li> <li>A. No, probably not.</li> </ul>
09:20:29 17 09:20:31 18 09:20:32 19 09:20:33 20 09:20:35 21 09:20:38 22 09:20:41 23	<ul> <li>Q. Okay. It would be challenging; correct?</li> <li>A. Yes.</li> <li>Q. Okay. I mean, from  I mean, you wouldn't expect to give one of your students a foot and a half of documents and to answer questions on it in seven in seven hours; would you?</li> <li>A. No, probably not.</li> <li>Q. Okay. Are all the documents that you</li> </ul>
09:20:29 17 09:20:31 18 09:20:32 19 09:20:33 20 09:20:35 21 09:20:38 22 09:20:41 23 09:20:43 24	<ul> <li>Q. Okay. It would be challenging; correct?</li> <li>A. Yes.</li> <li>Q. Okay. I mean, from  I mean, you wouldn't expect to give one of your students a foot and a half of documents and to answer questions on it in seven in seven hours; would you?</li> <li>A. No, probably not.</li> </ul>
	09:19:11 2 09:19:14 3 09:19:20 4 09:19:24 5 09:19:27 6 09:19:27 6 09:19:27 7 09:19:31 8 09:19:36 9 09:19:37 10 09:19:38 11 09:19:41 12 09:19:41 13 09:19:41 14 09:19:43 15 09:19:43 15 09:19:43 17 09:19:46 18 09:19:47 19 09:19:51 20 09:19:52 21 09:19:52 21 09:19:52 22 09:19:53 23 09:19:54 24 09:19:55 25

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	17		19
09:21:14	produced to counsel listed in your expert report?	09:23:56 <b>1</b>	<b>A.</b> I do, yes.
09:21:20 <b>2</b>	A. I think so.	09:23:59 <b>2</b>	Q. Okay. Is it my understanding that the
09:21:21 <b>3</b>	Q. Okay. You do understand that today you're	09:24:15 3	majority of the time you spent on formulating your
09:21:34 <b>4</b>	under oath; correct?	09:24:18 4	opinions was doing a literature review?
09:21:35 <b>5</b>	<b>A.</b> I do.	09:24:22 <b>5</b>	<b>A.</b> Yes.
09:21:35 6	Q. And that's under penalty of perjury;	09:24:23 6	Q. Okay. You didn't do any biological testing;
09:21:37 7	correct?	09:24:25 7	correct?
09:21:38	A. That's correct.	09:24:25	A. That's correct.
09:21:39	<b>Q.</b> If you realize that anything in your report	09:24:26	Q. You looked at no internal 3M documents;
09:21:41 10	is incorrect or wrong, this is the time to inform us.	09:24:32 10	correct?
09:21:44 11	Do you understand that?	09:24:32 11	A. That's correct.
09:21:45 12	<b>A.</b> I do.	09:24:33 12	<b>Q.</b> Okay. You didn't do any particle testing;
09:21:45 13	Q. Okay. Now it's my understanding, from	09:24:35 13	correct?
09:21:59 14	reading your report, that you don't believe that	09:24:36 14	A. That's correct.
09:22:06 15	infections can be caused by airborne contaminants in	09:24:36 15	Q. Okay. In fact you haven't you didn't do
09:22:09 16	the operating room. Is that true?	09:24:38 16	any type of original testing.
09:22:11 17	A. I don't think that's exactly what I said. I	09:24:39 17	A. Not related to this case.
09:22:15 18	think the key element of my report is I couldn't find	09:24:41 18	Q. Okay. Your report is largely a recitation
09:22:18 19	evidence linking the Bair Hugger to harm, and then I	09:24:45 19	and cri of critiques of various peer-reviewed
09:22:22 20	went through a great deal of papers to show that I	09:24:48 20	studies; correct?
09:22:27 21	think most infections, the vast majority, come from	09:24:49 21	<b>A.</b> It's my review of the peer-reviewed studies,
09:22:31 22	the patient's own microbiome. I'm not sure that's	09:24:53 22	and my conclusions based on the data that I saw and my
09:22:34 23	your question, but that	09:24:58 23	interpretation of the data.
09:22:35 24	Q. So you it's your opinion that most of the	09:25:05 <b>24</b> 09:25:05 <b>25</b>	(Wenzel Exhibit 1 marked for
09:22:37 <b>25</b>	infections that occur during a total knee or total hip STIREWALT & ASSOCIATES	09:25:05 23	identification.) STIREWALT & ASSOCIATES
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	18		20
09:22:41	arthroplasty come from the patient's own biome,	09:25:05 1	BY MR. ASSAAD:
09:22:45	microbiome.	09:25:14 <b>2</b>	<b>Q.</b> What's been marked as Exhibit 1 is a copy of
09:22:45	<b>A.</b> Yes, I do.	09:25:16 3	your report. Do you agree with me that that is a
09:22:46 4	Q. Okay. And that's based on research that you	09:25:20 4	complete copy of your report?
09:22:49 <b>5</b>	reviewed?	09:25:22 <b>5</b>	<b>A.</b> It looks like it.
09:22:50 6	<b>A.</b> Research that I reviewed, yeah.	09:25:23 6	Q. Okay. And have you had a chance to review
09:22:52 7	Q. Okay. And we'll get to that soon.	09:25:28 7	your report before today's deposition?
09:23:02	And when we're talking about infections	09:25:30	A Voc I have
09:23:11			A. Yes, I have.
-	during total hip/total knee arthroplasty we're talking	09:25:31	Q. Okay. You've reread your entire report
	about any type of infection, not infections that may	09:25:31 <b>9</b> 09:25:34 <b>10</b>	<b>Q.</b> Okay. You've reread your entire report before today's deposition?
09:23:14 10	about any type of infection, not infections that may be caused by a Bair Hugger, correct, that are caused	09:25:31	<ul><li>Q. Okay. You've reread your entire report before today's deposition?</li><li>A. I have.</li></ul>
09:23:14 <b>10</b> 09:23:17 <b>11</b> 09:23:19 <b>12</b>	about any type of infection, not infections that may be caused by a Bair Hugger, correct, that are caused by the human biome?	09:25:31 <b>9</b> 09:25:34 <b>10</b> 09:25:35 <b>11</b> 09:25:35 <b>12</b>	<ul> <li>Q. Okay. You've reread your entire report before today's deposition?</li> <li>A. I have.</li> <li>Q. Okay. And you</li> </ul>
09:23:14 <b>10</b> 09:23:17 <b>11</b> 09:23:19 <b>12</b> 09:23:22 <b>13</b>	about any type of infection, not infections that may be caused by a Bair Hugger, correct, that are caused by the human biome?  A. I'm not sure. The question again?	09:25:31 <b>9</b> 09:25:34 <b>10</b> 09:25:35 <b>11</b> 09:25:35 <b>12</b> 09:25:36 <b>13</b>	<ul> <li>Q. Okay. You've reread your entire report before today's deposition?</li> <li>A. I have.</li> <li>Q. Okay. And you Is there anything that you want to change in</li> </ul>
09:23:14 10 09:23:17 11 09:23:19 12 09:23:22 13 09:23:23 14	about any type of infection, not infections that may be caused by a Bair Hugger, correct, that are caused by the human biome?  A. I'm not sure. The question again? Q. Well before you limited to your your	09:25:31 <b>9</b> 09:25:34 <b>10</b> 09:25:35 <b>11</b> 09:25:35 <b>12</b> 09:25:36 <b>13</b> 09:25:38 <b>14</b>	<ul> <li>Q. Okay. You've reread your entire report before today's deposition?</li> <li>A. I have.</li> <li>Q. Okay. And you  Is there anything that you want to change in your report before we begin?</li> </ul>
09:23:14 10 09:23:17 11 09:23:19 12 09:23:22 13 09:23:23 14 09:23:26 15	about any type of infection, not infections that may be caused by a Bair Hugger, correct, that are caused by the human biome?  A. I'm not sure. The question again? Q. Well before you limited to your your opinion that the Bair Hugger doesn't cause infections.	09:25:31 9 09:25:34 10 09:25:35 11 09:25:35 12 09:25:36 13 09:25:38 14 09:25:40 15	<ul> <li>Q. Okay. You've reread your entire report before today's deposition?</li> <li>A. I have.</li> <li>Q. Okay. And you  Is there anything that you want to change in your report before we begin?</li> <li>A. I don't think so, but we'll see.</li> </ul>
09:23:14 10 09:23:17 11 09:23:19 12 09:23:22 13 09:23:23 14 09:23:26 15 09:23:29 16	about any type of infection, not infections that may be caused by a Bair Hugger, correct, that are caused by the human biome?  A. I'm not sure. The question again?  Q. Well before you limited to your your opinion that the Bair Hugger doesn't cause infections.  Do you recall that?	09:25:31 9 09:25:34 10 09:25:35 11 09:25:35 12 09:25:36 13 09:25:38 14 09:25:40 15 09:25:43 16	<ul> <li>Q. Okay. You've reread your entire report before today's deposition?</li> <li>A. I have.</li> <li>Q. Okay. And you  Is there anything that you want to change in your report before we begin?</li> <li>A. I don't think so, but we'll see.</li> <li>Q. Sitting today, these are your complete</li> </ul>
09:23:14 10 09:23:17 11 09:23:19 12 09:23:22 13 09:23:23 14 09:23:26 15 09:23:29 16	about any type of infection, not infections that may be caused by a Bair Hugger, correct, that are caused by the human biome?  A. I'm not sure. The question again?  Q. Well before you limited to your your opinion that the Bair Hugger doesn't cause infections.  Do you recall that?  A. Yeah. What I said is I couldn't find	09:25:31 9 09:25:34 10 09:25:35 11 09:25:36 13 09:25:36 13 09:25:40 15 09:25:41 16	<ul> <li>Q. Okay. You've reread your entire report before today's deposition?</li> <li>A. I have.</li> <li>Q. Okay. And you  Is there anything that you want to change in your report before we begin?</li> <li>A. I don't think so, but we'll see.</li> <li>Q. Sitting today, these are your complete opinions and all of the sources that you rely upon to</li> </ul>
09:23:14 10 09:23:17 11 09:23:19 12 09:23:22 13 09:23:23 14 09:23:26 15 09:23:29 16 09:23:30 17 09:23:31 18	about any type of infection, not infections that may be caused by a Bair Hugger, correct, that are caused by the human biome?  A. I'm not sure. The question again?  Q. Well before you limited to your your opinion that the Bair Hugger doesn't cause infections.  Do you recall that?  A. Yeah. What I said is I couldn't find evidence that would link the Bair Hugger to any link	09:25:31 9 09:25:34 10 09:25:35 11 09:25:36 13 09:25:36 13 09:25:38 14 09:25:40 15 09:25:45 17 09:25:45 18	<ul> <li>Q. Okay. You've reread your entire report before today's deposition?</li> <li>A. I have.</li> <li>Q. Okay. And you  Is there anything that you want to change in your report before we begin?</li> <li>A. I don't think so, but we'll see.</li> <li>Q. Sitting today, these are your complete opinions and all of the sources that you rely upon to formulate your opinions as of June 2nd, 2017 when you</li> </ul>
09:23:14 10 09:23:17 11 09:23:19 12 09:23:22 13 09:23:23 14 09:23:26 15 09:23:29 16 09:23:30 17 09:23:32 18 09:23:35 19	about any type of infection, not infections that may be caused by a Bair Hugger, correct, that are caused by the human biome?  A. I'm not sure. The question again?  Q. Well before you limited to your your opinion that the Bair Hugger doesn't cause infections.  Do you recall that?  A. Yeah. What I said is I couldn't find evidence that would link the Bair Hugger to any link to infections.	09:25:31 9 09:25:34 10 09:25:35 11 09:25:36 13 09:25:38 14 09:25:40 15 09:25:43 16 09:25:45 17 09:25:48 18 09:25:51 19	<ul> <li>Q. Okay. You've reread your entire report before today's deposition?</li> <li>A. I have.</li> <li>Q. Okay. And you  Is there anything that you want to change in your report before we begin?</li> <li>A. I don't think so, but we'll see.</li> <li>Q. Sitting today, these are your complete opinions and all of the sources that you rely upon to formulate your opinions as of June 2nd, 2017 when you submitted this report.</li> </ul>
09:23:14 10 09:23:17 11 09:23:19 12 09:23:22 13 09:23:23 14 09:23:26 15 09:23:29 16 09:23:30 17 09:23:32 18 09:23:35 19 09:23:36 20	about any type of infection, not infections that may be caused by a Bair Hugger, correct, that are caused by the human biome?  A. I'm not sure. The question again?  Q. Well before you limited to your your opinion that the Bair Hugger doesn't cause infections.  Do you recall that?  A. Yeah. What I said is I couldn't find evidence that would link the Bair Hugger to any link to infections.  Q. Okay. My question is: With respect to just	09:25:31 9 09:25:34 10 09:25:35 11 09:25:35 12 09:25:36 13 09:25:38 14 09:25:40 15 09:25:43 16 09:25:43 17 09:25:43 18 09:25:51 19 09:25:54 20	<ul> <li>Q. Okay. You've reread your entire report before today's deposition?</li> <li>A. I have.</li> <li>Q. Okay. And you  Is there anything that you want to change in your report before we begin?</li> <li>A. I don't think so, but we'll see.</li> <li>Q. Sitting today, these are your complete opinions and all of the sources that you rely upon to formulate your opinions as of June 2nd, 2017 when you submitted this report.</li> <li>A. Are there other articles out there, are you</li> </ul>
09:23:14 10 09:23:17 11 09:23:19 12 09:23:22 13 09:23:23 14 09:23:26 15 09:23:29 16 09:23:30 17 09:23:32 18 09:23:35 19 09:23:36 20 09:23:41 21	about any type of infection, not infections that may be caused by a Bair Hugger, correct, that are caused by the human biome?  A. I'm not sure. The question again?  Q. Well before you limited to your your opinion that the Bair Hugger doesn't cause infections.  Do you recall that?  A. Yeah. What I said is I couldn't find evidence that would link the Bair Hugger to any link to infections.  Q. Okay. My question is: With respect to just total hip and total knee, irrespective of the source	09:25:31 9 09:25:34 10 09:25:35 11 09:25:36 13 09:25:36 13 09:25:40 15 09:25:43 16 09:25:45 17 09:25:48 18 09:25:51 19 09:25:56 21	<ul> <li>Q. Okay. You've reread your entire report before today's deposition?</li> <li>A. I have.</li> <li>Q. Okay. And you  Is there anything that you want to change in your report before we begin?</li> <li>A. I don't think so, but we'll see.</li> <li>Q. Sitting today, these are your complete opinions and all of the sources that you rely upon to formulate your opinions as of June 2nd, 2017 when you submitted this report.</li> <li>A. Are there other articles out there, are you asking,</li> </ul>
09:23:14 10 09:23:17 11 09:23:19 12 09:23:22 13 09:23:23 14 09:23:26 15 09:23:26 16 09:23:30 17 09:23:35 19 09:23:35 19 09:23:36 20 09:23:41 21 09:23:44 22	about any type of infection, not infections that may be caused by a Bair Hugger, correct, that are caused by the human biome?  A. I'm not sure. The question again?  Q. Well before you limited to your your opinion that the Bair Hugger doesn't cause infections.  Do you recall that?  A. Yeah. What I said is I couldn't find evidence that would link the Bair Hugger to any link to infections.  Q. Okay. My question is: With respect to just total hip and total knee, irrespective of the source of the or what may or may not cause the infections,	09:25:31 9 09:25:34 10 09:25:35 11 09:25:36 13 09:25:36 13 09:25:38 14 09:25:40 15 09:25:45 17 09:25:45 17 09:25:45 19 09:25:51 19 09:25:56 21 09:25:57 22	<ul> <li>Q. Okay. You've reread your entire report before today's deposition?</li> <li>A. I have.</li> <li>Q. Okay. And you  Is there anything that you want to change in your report before we begin?</li> <li>A. I don't think so, but we'll see.</li> <li>Q. Sitting today, these are your complete opinions and all of the sources that you rely upon to formulate your opinions as of June 2nd, 2017 when you submitted this report.</li> <li>A. Are there other articles out there, are you asking,</li> <li>Q. No.</li> </ul>
09:23:14 10 09:23:17 11 09:23:19 12 09:23:22 13 09:23:23 14 09:23:26 15 09:23:30 17 09:23:30 17 09:23:32 18 09:23:35 19 09:23:41 21 09:23:44 22 09:23:44 22	about any type of infection, not infections that may be caused by a Bair Hugger, correct, that are caused by the human biome?  A. I'm not sure. The question again?  Q. Well before you limited to your your opinion that the Bair Hugger doesn't cause infections.  Do you recall that?  A. Yeah. What I said is I couldn't find evidence that would link the Bair Hugger to any link to infections.  Q. Okay. My question is: With respect to just total hip and total knee, irrespective of the source of the or what may or may not cause the infections, it's your opinion that the majority of those	09:25:31 9 09:25:34 10 09:25:35 11 09:25:36 13 09:25:38 14 09:25:40 15 09:25:43 16 09:25:45 17 09:25:48 18 09:25:51 19 09:25:52 20 09:25:57 22 09:25:57 23	<ul> <li>Q. Okay. You've reread your entire report before today's deposition?</li> <li>A. I have.</li> <li>Q. Okay. And you  Is there anything that you want to change in your report before we begin?</li> <li>A. I don't think so, but we'll see.</li> <li>Q. Sitting today, these are your complete opinions and all of the sources that you rely upon to formulate your opinions as of June 2nd, 2017 when you submitted this report.</li> <li>A. Are there other articles out there, are you asking,</li> <li>Q. No.</li> <li>A that I might have thought about since</li> </ul>
09:23:14 10 09:23:17 11 09:23:19 12 09:23:22 13 09:23:23 14 09:23:26 15 09:23:29 16 09:23:30 17 09:23:32 18 09:23:35 19 09:23:36 20 09:23:41 21 09:23:44 22 09:23:46 23 09:23:46 23	about any type of infection, not infections that may be caused by a Bair Hugger, correct, that are caused by the human biome?  A. I'm not sure. The question again?  Q. Well before you limited to your your opinion that the Bair Hugger doesn't cause infections.  Do you recall that?  A. Yeah. What I said is I couldn't find evidence that would link the Bair Hugger to any link to infections.  Q. Okay. My question is: With respect to just total hip and total knee, irrespective of the source of the or what may or may not cause the infections, it's your opinion that the majority of those infections are caused by bacteria on the patient's own	09:25:31 9 09:25:34 10 09:25:35 11 09:25:35 12 09:25:36 13 09:25:38 14 09:25:40 15 09:25:43 16 09:25:43 17 09:25:45 17 09:25:45 19 09:25:54 20 09:25:56 21 09:25:57 23 09:26:00 24	<ul> <li>Q. Okay. You've reread your entire report before today's deposition?</li> <li>A. I have.</li> <li>Q. Okay. And you     Is there anything that you want to change in your report before we begin?</li> <li>A. I don't think so, but we'll see.</li> <li>Q. Sitting today, these are your complete opinions and all of the sources that you rely upon to formulate your opinions as of June 2nd, 2017 when you submitted this report.</li> <li>A. Are there other articles out there, are you asking,     Q. No.</li> <li>A that I might have thought about since then, or?</li> </ul>
09:23:14 10 09:23:17 11 09:23:19 12 09:23:22 13 09:23:23 14 09:23:26 15 09:23:29 16 09:23:30 17 09:23:32 18 09:23:36 19 09:23:36 20 09:23:41 21 09:23:44 22 09:23:48 23 09:23:50 24	about any type of infection, not infections that may be caused by a Bair Hugger, correct, that are caused by the human biome?  A. I'm not sure. The question again?  Q. Well before you limited to your your opinion that the Bair Hugger doesn't cause infections.  Do you recall that?  A. Yeah. What I said is I couldn't find evidence that would link the Bair Hugger to any link to infections.  Q. Okay. My question is: With respect to just total hip and total knee, irrespective of the source of the or what may or may not cause the infections, it's your opinion that the majority of those infections are caused by bacteria on the patient's own biome.	09:25:31 9 09:25:34 10 09:25:35 11 09:25:36 13 09:25:38 14 09:25:40 15 09:25:43 16 09:25:45 17 09:25:48 18 09:25:51 19 09:25:52 20 09:25:57 22 09:25:57 23	<ul> <li>Q. Okay. You've reread your entire report before today's deposition?</li> <li>A. I have.</li> <li>Q. Okay. And you  Is there anything that you want to change in your report before we begin?</li> <li>A. I don't think so, but we'll see.</li> <li>Q. Sitting today, these are your complete opinions and all of the sources that you rely upon to formulate your opinions as of June 2nd, 2017 when you submitted this report.</li> <li>A. Are there other articles out there, are you asking,  Q. No.</li> <li>A that I might have thought about since then, or?</li> <li>Q. Well I'm asking about articles and</li> </ul>
09:23:14 10 09:23:17 11 09:23:19 12 09:23:22 13 09:23:23 14 09:23:26 15 09:23:29 16 09:23:30 17 09:23:32 18 09:23:35 19 09:23:41 21 09:23:44 22 09:23:48 23	about any type of infection, not infections that may be caused by a Bair Hugger, correct, that are caused by the human biome?  A. I'm not sure. The question again?  Q. Well before you limited to your your opinion that the Bair Hugger doesn't cause infections.  Do you recall that?  A. Yeah. What I said is I couldn't find evidence that would link the Bair Hugger to any link to infections.  Q. Okay. My question is: With respect to just total hip and total knee, irrespective of the source of the or what may or may not cause the infections, it's your opinion that the majority of those infections are caused by bacteria on the patient's own	09:25:31 9 09:25:34 10 09:25:35 11 09:25:35 12 09:25:36 13 09:25:38 14 09:25:40 15 09:25:43 16 09:25:43 17 09:25:45 17 09:25:45 19 09:25:54 20 09:25:56 21 09:25:57 23 09:26:00 24	<ul> <li>Q. Okay. You've reread your entire report before today's deposition?</li> <li>A. I have.</li> <li>Q. Okay. And you Is there anything that you want to change in your report before we begin?</li> <li>A. I don't think so, but we'll see.</li> <li>Q. Sitting today, these are your complete opinions and all of the sources that you rely upon to formulate your opinions as of June 2nd, 2017 when you submitted this report.</li> <li>A. Are there other articles out there, are you asking, Q. No.</li> <li>A that I might have thought about since then, or?</li> </ul>

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09:26:03	literature that you rely upon.	09:28:27	that I did this report.
09:26:05	A. Yeah.	09:28:30 2	Q. Well, sir, for the his deposition was
09:26:06	Q. And that you've cited and have reviewed to	09:28:33	after June 2nd, 2017.
09:26:09 4	support your opinions in your report. They're all	09:28:35 4	<b>A.</b> When was his deposition?
09:26:12 <b>5</b>	contained in this report of Exhibit 1; correct?	09:28:38 5	MS. ZIMMERMAN: Last Tuesday.
09:26:14	<b>A.</b> Either here or the materials that I sent to	09:28:39 6	<b>Q.</b> Last Tuesday.
09:26:16 7	you, yeah.	09:28:41 7	A. Oh, that's probably his report, then, that
09:26:16	Q. Okay.	09:28:44	I'm talking about, if that's true.
09:26:17	MR. COREY GORDON: And I want so you can	09:28:45	<b>Q.</b> So you're saying this is not accurate.
09:26:19 10	ask him about it, I want you to know we are going to	09:28:47 10	A. I'm saying that I should have had the word
09:26:21 11	ask him to offer an opinion of the valid the	09:28:49 11	"report" there.
9:26:25 12	validity of the recently published Scott Augustine	09:28:50 12	Q. Instead of "deposition"?
09:26:29 13	thing.	09:28:51 13	A. Instead of "deposition."
09:26:29 14	MR. ASSAAD: I understand that, but I think	09:28:52 14	Q. Okay. So you agree that's a mistaken your
9:26:31 <b>15</b>	before I'm going to ask him any questions on that he	09:28:54 15	report.
19:26:31	should file a supplemental report so I can prepare,	09:28:54 16	A. I agree and apologize.
09:26:36 17	and to prepare what his opinions are going to be and	09:28:54 17	Q. Okay. And so you want to criticize Dr.
09:26:36 17		09:28:56 17	·
09:26:38 10	we can come back and take his deposition.	09:28:58 10	Jarvis to say that his that his opinions are
	MR. COREY GORDON: So will you agree to		superficial and wanting before you even had a chance
09:26:49 20	that with your experts as well, who've rendered	09:29:03 20	to read his deposition?
09:26:52 21	who've supplemented their opinions based on the newly	09:29:05 21	A. I saw it based on his report.
9:26:55 22	published Augustine whatever it is?	09:29:06 22	Q. Okay. Page 74, third paragraph. You
9:26:58 23	MR. ASSAAD: We'll you've already asked	09:29:15 23	indicate that "Dr. Samet's deposition is uncritical
09:27:00 24	them questions on it, but I will consider it.	09:29:17 24	and wanting." It seems like you like the word
09:27:12 <b>25</b>	BY MR. ASSAAD:	09:29:20 <b>25</b>	"wanting"; correct?
	STIREWALT & ASSOCIATES		STIREWALT & ASSOCIATES
	1-800-553-1953 info@stirewalt.com		1-800-553-1953 info@stirewalt.com
	CONFIDENTIAL - SUBJECT TO PROTECTIVE ORDER		CONFIDENTIAL - SUBJECT TO PROTECTIVE ORDER
	22		24
09:27:12	Q. Now let's turn to page 73 of your report.	09:29:21	A. I did say the word "wanting" and again
9:27:29 2	You noted on the bottom of page 73, on the third	09:29:23	Q. What does "wanting" mean to you?
9:27:33 3	paragraph from the bottom, "Dr. Jarvis' deposition is	09:29:24 3	MR. COREY GORDON: Gabe, let him finish his
09:27:36 4	superficial and wanting."	09:29:26 4	answer. You're going to You're starting it again.
9:27:37 <b>5</b>	Do you see that?	09:29:27 <b>5</b>	<b>A.</b> Well again, I thought it was very
9:27:37 6	<b>A.</b> I do.	09:29:29 6	uncritical. You want me to tell you why about both of
09:27:38 7	<b>Q.</b> Okay. What deposition did you read by June	09:29:31 7	these people?
09:27:42 <b>8</b>	2nd, 2017?	09:29:31	<b>Q.</b> No. So you thought it was uncritical and
9:27:47	<b>A.</b> I I read his deposition. Is that what	09:29:33	wanting, but you didn't have a chance to read his
9:27:49 10	you're asking me?	09:29:35 10	deposition by that date; correct?
9:27:50 11	<b>Q.</b> You signed this on June 2nd, 2017; correct?	09:29:37 11	A. No. This I should have said
09:27:59 12	Next page, sir.	09:29:38 12	<b>Q.</b> Okay.
09:27:59 13	A. Yeah. No, I see that.	09:29:39 13	<b>A.</b> his report. A mistake.
9:28:01 14	Q. Okay. What deposition did you have of Dr.	09:29:42 14	<b>Q.</b> Okay. Another mistake; correct?
9:28:03 15	Jarvis that you want to criticize him as being	09:29:42 15	<b>A.</b> Yes.
9:28:06 16	superficial and wanting?	09:29:42 16	Q. Okay. So now you agree that there are
9:28:08 17	A. Yeah, I don't know why the days don't match.	09:29:45 17	mistakes in your report.
09:28:12 18	Q. Well did you not check your report to see if	09:29:46 18	<b>A.</b> In terms of those words, yes.
	it was accurate?	09:29:48 19	Q. Okay. And there may be some others that
9:28:14 19	A. I did.	09:29:50 <b>20</b>	we'll point out later on.
		09:29:51 <b>21</b>	<b>A.</b> Don't know.
9:28:14 <b>20</b>	Q. Okay. Do you agree with me that this is not	09.29.31	
9:28:14 <b>20</b> 9:28:15 <b>21</b>		09:29:52 22	MR. COREY GORDON: Object to the form of
9:28:14 <b>20</b> 9:28:15 <b>21</b> 9:28:18 <b>22</b>	<b>Q.</b> Okay. Do you agree with me that this is not accurate?		
99:28:14 <b>20</b> 99:28:15 <b>21</b> 99:28:18 <b>22</b> 99:28:18 <b>23</b>	<ul><li>Q. Okay. Do you agree with me that this is not accurate?</li><li>A. Well I agree that I have the 2nd written</li></ul>	09:29:52 <b>22</b> 09:29:53 <b>23</b>	the question, move to strike.
99:28:14 <b>20</b> 99:28:15 <b>21</b> 99:28:18 <b>22</b> 99:28:18 <b>23</b> 99:28:20 <b>24</b>	<ul> <li>Q. Okay. Do you agree with me that this is not accurate?</li> <li>A. Well I agree that I have the 2nd written down there, and I don't know why I did read Dr.</li> </ul>	09:29:52 <b>22</b> 09:29:53 <b>23</b> 09:30:00 <b>24</b>	the question, move to strike.  Q. Now do you agree that all the articles that
09:28:14	<ul><li>Q. Okay. Do you agree with me that this is not accurate?</li><li>A. Well I agree that I have the 2nd written</li></ul>	09:29:52 <b>22</b> 09:29:53 <b>23</b>	the question, move to strike.

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	25		27
09:30:05	MR. COREY GORDON: Object to the form of	09:31:47	different articles; correct?
09:30:06 2	the question.	09:31:48 2	<b>A.</b> I do.
09:30:07	Q. In your report of Exhibit 1?	09:31:50 3	Q. And it's my understanding that you read
09:30:09 4	<b>A.</b> If I cited them they gave some insight, I	09:31:51 4	those articles completely; correct?
09:30:09 5	think, in ter	09:31:54 <b>5</b>	<b>A.</b> If I cited it, I read those articles.
09:30:13	Q. So you'd rely	09:31:56 6	Q. You didn't just read the abstract.
09:30:14 7	<b>A.</b> Huh?	09:31:58 7	A. I did not read just the abstract.
09:30:15	Q. So you'd rely on on the articles that you	09:32:02	Q. Okay.
09:30:17	cited.	09:32:04	(Wenzel Exhibit 2 marked for
09:30:18 10	MR. COREY GORDON: Object to	09:32:04 10	identification.)
09:30:18 11	<b>A.</b> Some much more than others.	09:32:04 11	BY MR. ASSAAD:
09:30:18 12	THE WITNESS: I'm sorry.	09:32:17 12	Q. What's been marked as Exhibit 2 is a list of
09:30:21 13	MR. COREY GORDON: Object to the form of	09:32:21 13	articles that and documents that you considered or
09:30:22 14	the question.	09:32:26 14	reviewed; is that correct?
09:30:22 15	MR. ASSAAD: Basis?	09:32:27 15	<b>A.</b> That's correct.
09:30:24 16	MR. COREY GORDON: "Reliance" is a legal	09:32:28 16	<b>Q.</b> But they may not be cited in your report;
09:30:25 17	term, and if you want to ask him what he, as a	09:32:30 17	correct?
09:30:30 18	scientist, was doing, that's fine. But you're	09:32:32 18	<b>A.</b> I think that's true.
09:30:35 19	you're you're trying to, you know, as you just	09:32:33 19	Q. Okay. Do you consider all of the articles
09:30:37 <b>20</b>	did, try to	09:32:34 <b>20</b>	in Exhibit 2 to be authoritative?
09:30:37 21	MR. ASSAAD: I got your objection.	09:32:37 <b>21</b>	MR. COREY GORDON: Object to the form of
09:30:37 <b>22</b>	MR. COREY GORDON: impose a legal term.	09:32:38 <b>22</b>	the question.
09:30:38 23	MR. ASSAAD: I got your objection.	09:32:41 <b>23</b>	<b>A.</b> I don't know if they're authoritative.
09:30:40 <b>24</b>	Q. Do you know what the term "rely" means?	09:32:43 <b>24</b>	They're They're articles I read related to the
09:30:43 <b>25</b>	<b>A.</b> In legal terms, no.	09:32:45 <b>25</b>	case.
	STIREWALT & ASSOCIATES		STIREWALT & ASSOCIATES
	1-800-553-1953 info@stirewalt.com		1-800-553-1953 info@stirewalt.com
	CONFIDENTIAL - SUBJECT TO PROTECTIVE ORDER		CONFIDENTIAL - SUBJECT TO PROTECTIVE ORDER
	26		28
09:30:44	Q. How about in scientific terms?	09:32:46	Q. Did you rely on them in formulating your
09:30:45	<b>A.</b> Yeah. Scientific terms I would say, yeah,	09:32:47	ODIDIODS?
09:30:48		9	opinions?
	it's credible evidence.	09:32:48 3	A. Some of them I didn't actually use in my
09:30:49 4	Q. Okay. And do you know what "authoritative"	09:32:52	<b>A.</b> Some of them I didn't actually use in my report.
09:30:50 <b>5</b>	<b>Q.</b> Okay. And do you know what "authoritative" means?	09:32:52 <b>4</b> 09:32:54 <b>5</b>	<ul><li>A. Some of them I didn't actually use in my report.</li><li>Q. That wasn't my question, sir.</li></ul>
09:30:50 <b>5</b> 09:30:52 <b>6</b>	<ul><li>Q. Okay. And do you know what "authoritative" means?</li><li>A. Usually by someone who's thought to be</li></ul>	09:32:52 <b>4</b> 09:32:54 <b>5</b> 09:32:55 <b>6</b>	A. Some of them I didn't actually use in my report.  Q. That wasn't my question, sir. Did you rely Did you rely on them in
09:30:50 <b>5</b> 09:30:52 <b>6</b> 09:30:55 <b>7</b>	<ul><li>Q. Okay. And do you know what "authoritative" means?</li><li>A. Usually by someone who's thought to be reputable.</li></ul>	09:32:52 <b>4</b> 09:32:54 <b>5</b> 09:32:55 <b>6</b> 09:32:58 <b>7</b>	<ul> <li>A. Some of them I didn't actually use in my report.</li> <li>Q. That wasn't my question, sir.  Did you rely Did you rely on them in formulating your opinions, whether or not you cited</li> </ul>
09:30:50 <b>5</b> 09:30:52 <b>6</b> 09:30:55 <b>7</b> 09:30:55 <b>8</b>	<ul> <li>Q. Okay. And do you know what "authoritative" means?</li> <li>A. Usually by someone who's thought to be reputable.</li> <li>Q. Okay. And you understand when I refer if</li> </ul>	09:32:52 <b>4</b> 09:32:54 <b>5</b> 09:32:55 <b>6</b> 09:32:58 <b>7</b> 09:33:00 <b>8</b>	A. Some of them I didn't actually use in my report.  Q. That wasn't my question, sir.  Did you rely Did you rely on them in formulating your opinions, whether or not you cited them in your report?
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09:30:50	<ul> <li>Q. Okay. And do you know what "authoritative" means?</li> <li>A. Usually by someone who's thought to be reputable.</li> <li>Q. Okay. And you understand when I refer if I ask you if an article is authoritative?</li> <li>A. Yeah. You might want to I would probably want to add some weight to that or not, some more weighty than others in terms of the force of the data available.</li> <li>Q. It's my understanding that you have cited, I mean, last time I counted, between in your in your report, like, over 90 articles in your in your expert report; correct?</li> <li>MR. COREY GORDON: Objection,</li> <li>A. I don't know.</li> <li>MR. COREY GORDON: lack of foundation.</li> <li>A. I don't know how many there were. There were a lot.</li> <li>Q. You've read your report; correct?</li> </ul>	09:32:52 4 09:32:54 5 09:32:55 6 09:32:58 7 09:33:00 8 09:33:01 9 09:33:03 10 09:33:07 11 09:33:08 12 09:33:08 13 09:33:13 14 09:33:17 15 09:33:18 16 09:33:20 17 09:33:21 18 09:33:22 18 09:33:25 20 09:33:27 21 09:33:29 22 09:33:31 23	A. Some of them I didn't actually use in my report.  Q. That wasn't my question, sir. Did you rely Did you rely on them in formulating your opinions, whether or not you cited them in your report?  MR. COREY GORDON: Same objections.  A. Yeah, for the most part I think that's true.  Q. The answer to my question is "yes."  A. Yes.  Q. Okay. Going to Exhibit B, it seems like you received the report of the expert report of Michael Buck. Do you see that?  A. Where is that?  Q. First line. A. Yeah. Q. But you offer no criticisms in your report of Michael Buck; correct?  A. No. I didn't spend much time on that, no. Q. So the answer to my question is you didn't offer any criticisms of Michael Buck in your report;
09:30:50	<ul> <li>Q. Okay. And do you know what "authoritative" means?</li> <li>A. Usually by someone who's thought to be reputable.</li> <li>Q. Okay. And you understand when I refer if I ask you if an article is authoritative?</li> <li>A. Yeah. You might want to I would probably want to add some weight to that or not, some more weighty than others in terms of the force of the data available.</li> <li>Q. It's my understanding that you have cited, I mean, last time I counted, between in your in your report, like, over 90 articles in your in your expert report; correct?</li> <li>MR. COREY GORDON: Objection,</li> <li>A. I don't know.</li> <li>MR. COREY GORDON: lack of foundation.</li> <li>A. I don't know how many there were. There were a lot.</li> <li>Q. You've read your report; correct?</li> <li>A. I have.</li> </ul>	09:32:52 4 09:32:54 5 09:32:55 6 09:32:55 7 09:33:00 8 09:33:01 9 09:33:03 10 09:33:07 11 09:33:08 12 09:33:13 14 09:33:17 15 09:33:18 16 09:33:20 17 09:33:22 18 09:33:25 20 09:33:27 21 09:33:29 22 09:33:31 23 09:33:33 24	A. Some of them I didn't actually use in my report.  Q. That wasn't my question, sir. Did you rely Did you rely on them in formulating your opinions, whether or not you cited them in your report?  MR. COREY GORDON: Same objections.  A. Yeah, for the most part I think that's true. Q. The answer to my question is "yes."  A. Yes. Q. Okay. Going to Exhibit B, it seems like you received the report of the expert report of Michael Buck. Do you see that?  A. Where is that? Q. First line. A. Yeah. Q. But you offer no criticisms in your report of Michael Buck; correct?  A. No. I didn't spend much time on that, no. Q. So the answer to my question is you didn't offer any criticisms of Michael Buck in your report; correct?

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09:33:35	Q. Okay. You also looked at the report of Dr.	09:35:28	Q. Okay. Did you rely on any information in
09:33:36 2	Said Elghobashi; correct?	09:35:33	Dr. Borak to formulate your opinions?
09:33:37 3	A. Yes.	09:35:38 3	<b>A.</b> Yes. I In his report I want to make
09:33:38 4	Q. In your report you didn't offer any	09:35:43 4	sure I don't mix up his report with his deposition. I
09:33:40 <b>5</b>	criticisms of Dr. Elghobashi in your report; correct?	09:35:53 <b>5</b>	think Yeah. His His focus on the rivaroxaban
09:33:42 <b>6</b>	<b>A.</b> That's true.	09:35:58 6	issue, I I thought was very helpful, added to what
09:33:43 7	<b>Q.</b> Did you even understand his report?	09:36:02 7	I thought was going on.
09:33:45	<b>A.</b> It was way over my head.	09:36:04	Q. Okay. So did you rely on information in his
09:33:47	<b>Q.</b> Okay. I understand that you criticize Dr.	09:36:11	report to formulate your opinions, some of your
09:33:51 10	Jarvis as being I'd like to use the words you	09:36:14 10	opinions?
09:33:56 11	used "superficial and wanting"; correct?	09:36:14 11	A. Perhaps.
09:34:05 12	A. That's correct.	09:36:16 12	Q. Is that a "yes" or a "no"?
09:34:06 13	Q. Okay. And you also criticized Dr. Jonathan	09:36:17 13	A. Yeah, I think it's a yes, but I you know,
09:34:12 14	Samet in your report as being "wanting" as well;	09:36:19 14	I can't exactly remember what parts.
09:34:14 <b>15</b> 09:34:15 <b>16</b>	correct?  A. That's correct.	09:36:36 <b>15</b> 09:36:40 <b>16</b>	<b>Q.</b> You don't consider yourself an expert in hypothermia; do you?
09:34:15 17	Q. Did you have any criticism of Dr. Holford's	09:36:40 17	MR. COREY GORDON: Object to the form of
09:34:18 18	report?	09:36:44 18	the question.
09:34:20 19	A. No.	09:36:44 19	<b>A.</b> No, in the sense that where hypothermia
09:34:20 <b>20</b>	Q. Why not?	09:36:48 <b>20</b>	inter interfaces with infectious disease I think I
09:34:22 <b>21</b>	MR. COREY GORDON: Object to the form of	09:36:51 <b>21</b>	know a lot, yes.
09:34:23 <b>22</b>	the question.	09:36:51 <b>22</b>	Q. What research have you done with
09:34:23 23	A. I thought he was helpful, actually.	09:36:53 23	hypothermia?
09:34:27 <b>24</b>	Q. Have you read his	09:36:53 24	<b>A.</b> I've done no direct research with it.
09:34:27 <b>25</b>	(Interruption by the reporter.)	09:36:55 <b>25</b>	<b>Q.</b> So you're just basically relying on
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09:34:28 1	<b>Q.</b> Did you rely on his opinions in formulating	09:36:58 1	literature review to for your understanding of
09:34:32 <b>2</b>	your opinions?	09:36:59 2	hypothermia as related to surgical-site infections.
09:34:34 3	A. In In part, where he talked about the	09:37:02	A. Well with the background in infectious
09:34:36	changing rates, for example, over time during the Bair	09:37:04	diseases and interest in hospital-acquired infections.
09:34:41 5	Hugger period, when he showed the high rates at that hospital compared to the rest of the U.K. hospitals in	09:37:07 5	If that's part of the mix, yes.  Q. Well you graduated from medical school in
09:34:45 <b>6</b> 09:34:48 <b>7</b>	the same trust. There were a couple of things like	09:37:08 <b>6</b>	1965; correct?
09:34:48 <b>/</b> 09:34:52 <b>8</b>	that that made me even more skeptical of the articles	09:37:15 <b>/</b> 09:37:17 <b>8</b>	A. That's correct.
09:34:59	that were focusing on	09:37:17	<b>Q.</b> And a lot of the research regarding the
09:35:00 10	<b>Q.</b> You're talking about the McGovern article.	09:37:19 10	effects of hypothermia on and its effect on
09:35:02 11	A. McGovern article.	09:37:25 11	surgical-site infections was much after 1965. Do you
09:35:03 12	Q. So would you agree would you defer to Dr.	09:37:27 12	agree?
09:35:06 13	Holford with respect to his analysis of the McGovern	09:37:28 13	A. No question. Yes.
09:35:08 14	article?	09:37:30 14	Q. Okay. So a lot of the
09:35:09 15	MR. COREY GORDON: Object to the form of	09:37:31 15	I mean, you have done no research on that
09:35:10 16	the question.	09:37:33 16	issue independently; correct?
09:35:10 17	A. No, I don't think I would defer to him at	09:37:34 17	A. That's correct.
09:35:12 <b>18</b> 09:35:15 <b>19</b>	all. I think I have my own opinion.  Q. Okay. But you relied on some of the	09:37:35 18	<b>Q.</b> Okay. And you've done no studies on that; correct?
09:35:16 <b>20</b>	information you obtained from his report in	09:37:36 19	A. No studies.
09:35:10 20	formulating your opinions.	09:37:38 21	Q. Okay. So you agree that most of the
09:35:19 22	<b>A.</b> A little bit of that, yes.	09:37:40 <b>22</b>	information that you've obtained was through
09:35:22 23	Q. Okay. With respect to Dr. Borak, do you	09:37:43 23	peer-reviewed articles that other people have done in
09:35:25 <b>24</b>	have any criticism of his report?	09:37:46 <b>24</b>	the area; correct?
09:35:26 <b>25</b>	<b>A.</b> No. I thought he did a good job.	09:37:47 <b>25</b>	A. That's correct.
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09:37:47 <b>1</b>	<b>Q.</b> Okay. And you'd agree with me that the two	09:40:24	A. Yeah. And I've cited the well SS	I
09:37:50 <b>2</b>	leading people dealing with the effects of hypothermia	09:40:29 <b>2</b>	Yeah.	
09:37:53	in the world are Dr. Andrea Kurz and Dr. Daniel	09:40:29 3	So I think I've given you a a nur	nber of
09:37:58 4	Sessler; correct?	09:40:33 4	papers to look at that.	
09:37:59 <b>5</b>	A. Yes.	09:40:34 <b>5</b>	Q. Okay. You've never spoken on the	issue of
09:38:01 6	Q. Okay. So you would defer to them with	09:40:46 <b>6</b>	hypothermia and effects of surgical-site infe	ctions;
09:38:01 7	respect to the effects of hypothermia on surgical-site	09:40:50 7	correct?	
09:38:04	infections; correct?	09:40:51 8	<b>A.</b> I've spoken on surgical-site infection	
09:38:04	A. I don't know	09:40:53	where I've cited work on hypothermia, but I	haven't
09:38:04 10	MR. COREY GORDON: Object to the form of	09:40:58 10	just given a talk just hypothermia.	
09:38:06 11	the question.	09:41:00 11	Q. Okay. Have you read the deposition	n of Dr.
09:38:06 12	A if I'd defer to them, no.	09:41:04 12	Sessler?	
09:38:08 13	Q. So you wouldn't defer to a doctor that has	09:41:05 13	A. Yeah. I don't remember that very	well, but
09:38:11 14	spent their entire life doing research on an issue,	09:41:07 14	yeah.	
09:38:15 15	that that has published tens of articles on that	09:41:07 15	<b>Q.</b> Do you remember the deposition of	f Andrea
09:38:20 16	issue, has given talks around the world on that issue,	09:41:08 16	Kurz?	
09:38:26 17	and continues to do research on that issue, you	09:41:09 17	A. I do.	
09:38:29 18	wouldn't defer to them on issues of hypothermia?	09:41:10 18	Q. Okay. And you read that one?	
09:38:32 19	MR. COREY GORDON: Object to the form of	09:41:11 <b>19</b> 09:41:11 <b>20</b>	<b>A.</b> Yes. <b>Q.</b> Okay.	
09:38:33 <b>20</b> 09:38:34 <b>21</b>	the question.	09:41:11 20	MR. ASSAAD: Mark this as Exhibit	2
09:38:34 21	<b>A.</b> What I would do is look at what they have written and see if that comports with all the other	09:41:11 21	(Wenzel Exhibit 3 marked for	٥.
09:38:36 22	data that are out there, and look at their articles	09:41:11 22	identification.)	
09:38:39 23	themselves so I would formulate an opinion. I'm not	09:41:51 23	MR. ASSAAD: I don't have a copy	for you
09:38:46 <b>25</b>	intimidated by the whole raft of research that someone	09:41:51 24	MR. COREY GORDON: That's fine.	-
09:38:46	STIREWALT & ASSOCIATES	09:41:53	STIREWALT & ASSOCIATES	Just Hote
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09:38:50	else has done to say I'm not going to have a thought	09:41:53	that that came out of the box of materials.	
_			that that came out of the box of materials.	
09:38:52	on it.	09:41:56 <b>2</b>	MR. ASSAAD: I was about to say t	hat.
09:38:52 <b>2</b> 09:38:54 <b>3</b>		09:41:56 <b>2</b> 09:41:57 <b>3</b>		hat.
_	on it.		MR. ASSAAD: I was about to say t	hat.
09:38:54	on it. <b>Q.</b> So you wouldn't defer to Dr. Sessler or Dr.	09:41:57	MR. ASSAAD: I was about to say t MR. COREY GORDON: That's fine.	
09:38:54 <b>3</b> 09:38:56 <b>4</b>	on it.  Q. So you wouldn't defer to Dr. Sessler or Dr.  Kurz with respect to hypothermia and surgical-site	09:41:57 <b>3</b> 09:41:58 <b>4</b>	MR. ASSAAD: I was about to say to MR. COREY GORDON: That's fine. BY MR. ASSAAD:	
09:38:54 <b>3</b> 09:38:56 <b>4</b> 09:38:58 <b>5</b>	on it.  Q. So you wouldn't defer to Dr. Sessler or Dr.  Kurz with respect to hypothermia and surgical-site infections.	09:41:57 <b>3</b> 09:41:58 <b>4</b> 09:41:59 <b>5</b>	MR. ASSAAD: I was about to say to MR. COREY GORDON: That's fine. BY MR. ASSAAD: Q. Exhibit 3 came out of the document	
09:38:54 <b>3</b> 09:38:56 <b>4</b> 09:38:58 <b>5</b> 09:38:58 <b>6</b>	on it.  Q. So you wouldn't defer to Dr. Sessler or Dr.  Kurz with respect to hypothermia and surgical-site infections.  A. Not necessarily. I'd like to know exactly	09:41:57 <b>3</b> 09:41:58 <b>4</b> 09:41:59 <b>5</b> 09:42:01 <b>6</b>	MR. ASSAAD: I was about to say to MR. COREY GORDON: That's fine. BY MR. ASSAAD: Q. Exhibit 3 came out of the document were produced today; correct, doctor?	ts that
09:38:54 <b>3</b> 09:38:56 <b>4</b> 09:38:58 <b>5</b> 09:38:58 <b>6</b> 09:39:00 <b>7</b>	on it.  Q. So you wouldn't defer to Dr. Sessler or Dr. Kurz with respect to hypothermia and surgical-site infections.  A. Not necessarily. I'd like to know exactly what you're getting at so I can comment on it.  Q. Well who else out there has done research with respect to hypothermia and the incident of	09:41:57 <b>3</b> 09:41:58 <b>4</b> 09:41:59 <b>5</b> 09:42:01 <b>6</b> 09:42:02 <b>7</b> 09:42:03 <b>8</b> 09:42:05 <b>9</b>	MR. ASSAAD: I was about to say to MR. COREY GORDON: That's fine. BY MR. ASSAAD: Q. Exhibit 3 came out of the document were produced today; correct, doctor? A. I think that's right, yes. Q. Okay. Where'd you obtain that doctor?	ts that
09:38:54 <b>3</b> 09:38:56 <b>4</b> 09:38:58 <b>5</b> 09:39:00 <b>7</b> 09:39:03 <b>8</b> 09:39:08 <b>9</b> 09:39:11 <b>10</b>	on it.  Q. So you wouldn't defer to Dr. Sessler or Dr. Kurz with respect to hypothermia and surgical-site infections.  A. Not necessarily. I'd like to know exactly what you're getting at so I can comment on it.  Q. Well who else out there has done research with respect to hypothermia and the incident of surgical-site infections?	09:41:57	MR. ASSAAD: I was about to say to MR. COREY GORDON: That's fine.  BY MR. ASSAAD:  Q. Exhibit 3 came out of the document were produced today; correct, doctor?  A. I think that's right, yes.  Q. Okay. Where'd you obtain that doctors.	ts that
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	37		39
09:42:32	A. Not sure, but probably.	09:45:03	A. Well in my report I've said somewhere
09:42:33	Q. Okay. So you didn't receive any internal	09:45:05 2	between 70 and 90 just based on the data that we have
	sting of the Bair Hugger from 3M?	09:45:09 3	already.
	A. No.		_'
09:42:38 4		-	Q. Okay. And that is because, based on your
09:42:39	Q. You didn't receive any	09:45:15	opinion that if a surgical-site infection occurs that
09:42:41	Did you receive any of the computational	09:45:25	it's it's most likely patient flora and not from
_	id dynamics studies that were done internally by	09:45:29	airborne contamination.
09:42:52 <b>8</b> 3M		09:45:30	MR. COREY GORDON: Object to the form of
09:42:52	<b>A.</b> No.	09:45:31	the question.
09:42:53 10	<b>Q.</b> Did you receive any of the schlieren studies	09:45:31 10	<b>A.</b> It's based on my opinion, which is based on
	at were done internally by 3M?	09:45:35 11	review of the literature that looks at the microbiome
09:42:58 12	<b>A.</b> No.	09:45:39 12	and the influence of the microbiome on the organisms
09:42:58 13	Q. Did you see	09:45:44 13	causing surgical-site infections.
09:42:59 14	Did you get any of the calculations done	09:45:49 14	Is that clear, or let me know if you
09:43:03 <b>15</b> wit	th respect to whether or not the Bair Hugger	09:45:50 15	Q. Well no. I'm just trying to understand your
09:43:05 <b>16</b> dis	srupts unidirectional flow that was done internally	09:45:53 16	opinion
	3M?	09:45:53 17	A. Yeah.
09:43:12 18	<b>A.</b> No.	09:45:53 18	Q and just to sum it up.
09:43:12 19	MR. COREY GORDON: Object to the form of	09:45:53 19	A. Sure.
	e question.	09:45:53	Q. Your opinion is that the most likely cause
09:43:13 <b>20</b> CHE	MR. ASSAAD: Basis?	09:45:54 20	of a surgical-site infection is the pla the
09:43:14 <b>2 1</b> 09:43:15 <b>22</b>	MR. COREY GORDON: Assumes facts not in	09:45:56 21	patient's flora.
	idence, and and the predicate of the question is	09:46:00 23	A. Yes.
	tually contrary to evidence.	09:46:01 24	Q. Okay. And you don't believe that the
09:43:23 <b>25</b>	MR. ASSAAD: Okay.	09:46:09 <b>25</b>	that the air quality of an operating room causes a
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	38		40
09:43:25	Q. Did you receive any of the Strike that.	09:46:18	significant risk of surgical-site infection.
09:43:40 <b>2</b>	Did you see the computational fluid dynamic	09:46:22 <b>2</b>	MR. COREY GORDON: Object to the form of
09:44:05 <b>3</b> vid	leos perfor prepared by Dr. Elghobashi?	09:46:23	the question.
09:44:09 4	<b>A.</b> Was that a Science Day? I can't remember	09:46:24 4	<b>A.</b> Well I'm not sure what you mean by
09:44:11 <b>5</b>	Q. No.	09:46:25 <b>5</b>	"significant risk," but I think I mean, I belie
09:44:11 6	<b>A.</b> whether he had one. Then I probably	09:46:30 6	I'm interested in infection control, no question, and
09:44:13 <b>7</b> did	dn't see it.	09:46:33 7	I would love the air to be as clean as possible. And
09:44:14	Q. Did you see the videos prepared by Dr.	09:46:36	the question really gets to the heart of this is does
09:44:17 <b>9</b> Abi	raham?	09:46:40	air influence the infections or the infection rate,
09:44:17 10	A. I think he had that at Science Day. That's	09:46:48 10	and it's hard to find a lot of data to support that.
	I saw, yes.	09:46:51 11	<b>Q.</b> Well
09:44:22 12	<b>Q.</b> Okay. But my understanding is because your	09:46:52 12	A. I I don't want to say it's a total
	inion is that most of the infections that cau	09:46:52 12	impossibility. I'm one of those guys, you'll ask me a
· ·	ost of the bacteria that causes surgical-site	09:46:53 13	lot of questions, I won't say "never" or "always."
		09:46:56 14	·
	ections is on the patient's flora, that airflow in		Q. Well let's do it this way to make things
	e operating room is is not that is not as	09:47:01 16	easier. I'm asking for your opinion within a
	portant as other areas with respect to infection.	09:47:05 17	reasonable degree of medical probability. Okay?
09:44:46 18	MR. COREY GORDON: Object to the form of	09:47:06 18	A. Umm-hmm.
	e question.	09:47:07 19	<b>Q.</b> I'm not asking for a hundred percent
09:44:48 <b>20</b>	<b>A.</b> What I would say is that if you're looking	09:47:08 <b>20</b>	certainty.
	the reservoir of the organisms causing	09:47:09 <b>21</b>	A. Yeah.
09:44:54 <b>22</b> sur	rgical-site infections, my opinion is that they come	09:47:09 <b>22</b>	<b>Q.</b> You understand that?
09:44:58 <b>23</b> fro	om the patient the vast majority of time.	09:47:10 23	<b>A.</b> Yeah.
09:45:01 <b>24</b>	Q. When you say "vast majority," can you give	09:47:10 24	Q. So it's my understanding that your opinion
		09:47:12 25	is that the mo that that more likely than not
	e a percentage?	03.47.12	is that the mo that that more likely than not
	e a percentage? STIREWALT & ASSOCIATES	09.47.12	STIREWALT & ASSOCIATES
		09.47.12	

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09:47:16 1	the air quality in an operating room does not cause a	09:49:33	A. Yeah.
09:47:19 <b>2</b>	significant risk in surgical-site infections.	09:49:33 2	Q do you don't you think it's important
09:47:21 <b>3</b>	MR. COREY GORDON: Object to the form of	09:49:35 3	to understand the difference?
09:47:22 4	the question.	09:49:37 4	A. Yeah.
09:47:22 <b>5</b>	<b>A.</b> I don't know that I would phrase it that	09:49:37 5	Q. Okay.
09:47:23 6	way.	09:49:37 6	A. I think I do.
09:47:24 <b>7</b> 09:47:27 <b>8</b>	What I would say is most the origin, in	09:49:38 <b>7</b> 09:49:38 <b>8</b>	Q. So what
09:47:27 <b>8</b> 09:47:30 <b>9</b>	other words, the reservoir of the organisms causing surgical-site infections is the vast majority are	09:49:38 <b>8</b> 09:49:40 <b>9</b>	So your difference is one is unidirectional, and the
09:47:33 10	going to be in the patient, they're endogenous, in my	09:49:41 10	And what's "turbulent" then?
09:47:38 11	opinion. I You know, I want the air to be as pure	09:49:42 11	<b>A.</b> Turbulent is where there's no effort to sort
09:47:40 12	as possible. I think there's always a possibility	09:49:46 12	of compartmentalize the air either from the side or
09:47:44 13	that air is involved in surgical-site infections. I	09:49:49 13	from the top that laminar flow is trying to push down
09:47:48 14	think the information that we'd love to have to answer	09:49:54 14	the particles or in one way or another.
09:47:52 15	your question is is still not out there clear. And	09:49:59 15	<b>Q.</b> So what's turbulent, then? Where is the air
09:47:55 16	the reason, in part, if you want to look at laminar	09:50:01 16	coming from?
09:47:59 17	airflow. So right after the Lidwell's really	09:50:02 17	<b>A.</b> Turbulent they don't have that. The air is
09:48:03 18	interesting study, you know, heart and lung, number of	09:50:05 18	ambient air coming through a filter that's in the
09:48:06 19	patients, 8,000 patients, randomized, you know, a lot	09:50:07 19	operating room.
09:48:11 <b>20</b> 09:48:15 <b>21</b>	of hospitals began to then rely on laminar airflow.	09:50:09 <b>20</b> 09:50:10 <b>21</b>	<b>Q.</b> But where are the where is where is the vents?
09:48:15 21	So what happened then? So you had Brandt's study, you know, the total review, and then you had Gastmeier's	09:50:10 <b>21</b> 09:50:12 <b>22</b>	MR. COREY GORDON: Objection, lack of
09:48:23 23	review, and then you had a review by Hooper for the	09:50:12 22	foundation.
09:48:28 24	New Zealand and the follow-up New Zealand; four cohort	09:50:13 24	A. I don't know.
09:48:33 <b>25</b>	studies, 300,000 patients, and what they found	09:50:14 <b>25</b>	<b>Q.</b> I mean, doctor, you agree with me that if
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	42		44
09:48:37	actually was the infection rates were a little higher	09:50:17	you're going to criticize articles and use it to
09:48:41 2	if you had laminar airflow.	09:50:20 2	formulate your opinions that you should have
09:48:43 <b>3</b>	Follow that up. More recently Bischoff has	09:50:21 3	especially discussing laminar flow and turbulent flow, you should have a good understanding of what the
09:48:47 <b>4</b> 09:48:51 <b>5</b>	done a big meta-analysis published in <i>Lancet</i> , and what he showed was in fact with 14 studies, hips and knees,	09:50:25 <b>4</b> 09:50:27 <b>5</b>	difference is. Don't you agree?
09:48:57	there is no real improvement when you add all those	09:50:28	MR. COREY GORDON: Object to the form of
09:49:02 7	data as well from the meta	09:50:29 7	the question.
09:49:03	Q. Can I ask you a question real quick?	09:50:29	Q. Don't you agree, doctor?
09:49:06	A. Hmm?	09:50:30	A. I'd love to know more about laminar flow,
09:49:06 10	Q. Can I ask you a question real quick?	09:50:33 10	but I've I've cited 300,000-plus patients who
09:49:07 11	A. Yeah.	09:50:37 11	undergo laminar flow, and then I've cited a
09:49:08 12	<b>Q.</b> What percentage of hospitals in the United	09:50:41 12	meta-analysis recently.
09:49:10 13	States use laminar airflow?	09:50:43 13	Q. But would it make any difference if 99
09:49:11 14	<b>A.</b> I don't know what the answer is. I don't	09:50:45 14	percent of the hospitals in the United States don't
09:49:12 <b>15</b> 09:49:14 <b>16</b>	think it's the majority.  Q. I mean, have you ever been in an operating	09:50:47 <b>15</b> 09:50:49 <b>16</b>	use laminar flow?  MR. COREY GORDON: Object to the form of
09:49:14 17	room in the United States that has laminar airflow?	09:50:49 17	the question.
09:49:18 18	A. Don't think so.	09:50:50 18	<b>A.</b> I don't even understand that question.
09:49:20 19	Q. Do you know what laminar airflow is?	09:50:51 19	Q. Well you
09:49:22 <b>20</b>	A. Unidirectional filtered air.	09:50:53 <b>20</b>	Do you know what percentage of hospitals in
09:49:24 <b>21</b>	Q. That's your understanding of laminar	09:50:54 <b>21</b>	the United States use laminar flow?
09:49:25 <b>22</b>	airflow?	09:50:56 <b>22</b>	<b>A.</b> No, I don't. I thought it was a minority.
09:49:25 23	A. Yeah. I'm not an expert in laminar.	09:50:58 23	<b>Q.</b> Do you think if air comes from the ceiling
09:49:27 24	Q. Okay. So when you read studies that discuss	09:51:00 24	that it's laminar flow?
09:49:30 <b>25</b>	laminar airflow and turbulent airflow,	09:51:01 <b>25</b>	MR. COREY GORDON: Object to the form
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	45		47
09:51:02	<b>A.</b> No, not necessarily.	09:52:30	A. You know, I'm trying to respond to the
09:51:02	MR. COREY GORDON: of the question, lack	09:52:32	question of how important air is, and
09:51:02 3	of foundation.	09:52:33	Q. I'm talking about laminar and turbulent,
09:51:04	Q. Okay. So why would you compare laminar flow	09:52:35	sir,
-	to turbulent flow in a case in the United States of	_	A. No, I understa
•			•
09:51:10	America where most of the patients are in turbulent	09:52:37 6	Q I'm not talking about
09:51:15	airflow operating rooms in your report, if it's	09:52:38 7	A. No. I understand.
09:51:18	completely irrelevant?	09:52:38	So what I'm saying is if you want to look at
09:51:20	MR. COREY GORDON: Object to the form of	09:52:41	the difference, laminar flow clearly has been shown to
09:51:20 10	the question.	09:52:43 10	decrease particles. And the question is does
09:51:21 11	A. No. You asked You asked me a question	09:52:46 11	decreased particles really relate to the endpoint
09:51:23 12	about the importance of air, and then I went back to	09:52:50 12	surgical-site infections. So I've cited data from
09:51:28 13	say and you said, is it not important or important,	09:52:53 13	four large cohorts, over 300,000 patients, and then an
09:51:30 14	something along that line. Then I went back to talk	09:52:58 14	additional 14 patients in a meta-analysis by Bischoff,
09:51:33 15	about Lidwell's study that stimulated the really	09:53:03 15	and an accompanying editorial by Weinstein that talks
09:51:37 16	international push for laminar flow, and	09:53:08 16	about you don't need laminar flow. So that's
09:51:41 17	<b>Q.</b> I understand the studies.	09:53:16 17	that's a lot of data.
09:51:42 18	MR. ASSAAD: I'm not asking for him to	09:53:17 18	Q. Do you know what the velocity of air is in a
09:51:44 19	describe the studies, Corey. We're going to have a	09:53:20 19	laminar flow system in Australia?
09:51:45 <b>20</b>	long day, we're going to	09:53:22 <b>20</b>	A. I don't know what the velocity is in
09:51:46 21	MR. COREY GORDON: No. Let's make	09:53:24 21	Australia.
09:51:47 22	short-circuit. Are you prepared to stipulate that	09:53:25 <b>22</b>	Q. In the United Kingdom?
09:51:50 23	studies on laminar airflow are irrelevant to this	09:53:27 23	A. No.
09:51:51 <b>24</b>	case?	09:53:27 24	Q. Do you know what it is in New Zealand?
09:51:51 <b>25</b>	MR. ASSAAD: No. No. But when it comes to	09:53:29 <b>25</b>	A. No.
09.51.51	STIREWALT & ASSOCIATES	09.33.29	STIREWALT & ASSOCIATES
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	46		48
09:51:55 1	infection I'm just ask I'm trying to see if	09:53:30	Q. Okay. Don't you think the velocity of air
09:51:58	understands what laminar flow is.	09:53:32	has a lot to do with how air flows in an operating
09:51:59	MR. COREY GORDON: Okay. Well you've asked	09:53:35	room?
09:52:00 4		09:53:35	A. May well,
09:52:00 <b>5</b>	MR. ASSAAD: Well he's	09:53:35	MR. COREY GORDON: Object to the form of
_	BY MR. ASSAAD:	•	the question.
-	_	_	A but I don't know.
	Q. You're criticizing laminar flow as compared		
09:52:06	to turbulent flow.		Q. You would defer to an engineer; correct?
09:52:06	A. Yeah.	09:53:39	A. About velocity, yes.
09:52:06 10	Q. You do understand we're in the United States	09:53:41 10	Q. About airflow in an operating room;
09:52:07 11	of America and this case is here; correct?	09:53:41 11	** Y.O.O.
			A. Yes.
	A. Pardon me?	09:53:43 12	Q correct?
09:52:09 13		09:53:44 13	<ul><li>Q correct?</li><li>A. Yes.</li></ul>
09:52:09 13	A. Pardon me?		Q correct?
09:52:09 <b>13</b> 09:52:11 <b>14</b>	<ul><li>A. Pardon me?</li><li>Q. The case is here in the United States of</li></ul>	09:53:44 13	<ul><li>Q correct?</li><li>A. Yes.</li></ul>
09:52:09 <b>13</b> 09:52:11 <b>14</b> 09:52:11 <b>15</b>	<ul><li>A. Pardon me?</li><li>Q. The case is here in the United States of America.</li></ul>	09:53:44 <b>13</b> 09:53:44 <b>14</b>	<ul><li>Q correct?</li><li>A. Yes.</li><li>Q. You'd defer to a someone that's a</li></ul>
09:52:09	<ul> <li>A. Pardon me?</li> <li>Q. The case is here in the United States of</li> <li>America.</li> <li>A. Yes, they are.</li> </ul>	09:53:44 <b>13</b> 09:53:44 <b>14</b> 09:53:48 <b>15</b>	<ul> <li>Q correct?</li> <li>A. Yes.</li> <li>Q. You'd defer to a someone that's a that's an expert in fluid dynamics; correct?</li> </ul>
09:52:09	<ul> <li>A. Pardon me?</li> <li>Q. The case is here in the United States of</li> <li>America.</li> <li>A. Yes, they are.</li> <li>Q. Okay.</li> </ul>	09:53:44 13 09:53:44 14 09:53:48 15 09:53:53 16	<ul> <li>Q correct?</li> <li>A. Yes.</li> <li>Q. You'd defer to a someone that's a that's an expert in fluid dynamics; correct?</li> <li>MR. COREY GORDON: Object to the form of</li> </ul>
09:52:09 13 09:52:11 14 09:52:11 15 09:52:11 16 09:52:11 17 09:52:13 18	<ul> <li>A. Pardon me?</li> <li>Q. The case is here in the United States of</li> <li>America.</li> <li>A. Yes, they are.</li> <li>Q. Okay.</li> <li>A. Yeah.</li> </ul>	09:53:44 13 09:53:44 14 09:53:48 15 09:53:53 16 09:53:53 17	<ul> <li>Q correct?</li> <li>A. Yes.</li> <li>Q. You'd defer to a someone that's a that's an expert in fluid dynamics; correct?  MR. COREY GORDON: Object to the form of the question.</li> </ul>
09:52:09 13 09:52:11 14 09:52:11 15 09:52:11 16 09:52:11 17 09:52:13 18 09:52:13 19	<ul> <li>A. Pardon me?</li> <li>Q. The case is here in the United States of</li> <li>America.</li> <li>A. Yes, they are.</li> <li>Q. Okay.</li> <li>A. Yeah.</li> <li>Q. And if you're looking at infection rates</li> </ul>	09:53:44 13 09:53:44 14 09:53:48 15 09:53:53 16 09:53:53 17 09:53:54 18	<ul> <li>Q correct?</li> <li>A. Yes.</li> <li>Q. You'd defer to a someone that's a that's an expert in fluid dynamics; correct?  MR. COREY GORDON: Object to the form of the question.</li> <li>A. Fluid dynamics to talk about air, you mean?</li> </ul>
09:52:09 13 09:52:11 14 09:52:11 15 09:52:11 16 09:52:11 17 09:52:13 18 09:52:15 19 09:52:20 20	<ul> <li>A. Pardon me?</li> <li>Q. The case is here in the United States of</li> <li>America.</li> <li>A. Yes, they are.</li> <li>Q. Okay.</li> <li>A. Yeah.</li> <li>Q. And if you're looking at infection rates</li> <li>with respect to what happens in the United States, if</li> </ul>	09:53:44 13 09:53:44 14 09:53:48 15 09:53:53 16 09:53:53 17 09:53:54 18 09:53:57 19	<ul> <li>Q correct?</li> <li>A. Yes.</li> <li>Q. You'd defer to a someone that's a that's an expert in fluid dynamics; correct? MR. COREY GORDON: Object to the form of the question. A. Fluid dynamics to talk about air, you mean? Q. Yes.</li> </ul>
09:52:09 13 09:52:11 14 09:52:11 15 09:52:11 16 09:52:11 17 09:52:13 18 09:52:15 19 09:52:20 20 09:52:20 21	<ul> <li>A. Pardon me?</li> <li>Q. The case is here in the United States of</li> <li>America.</li> <li>A. Yes, they are.</li> <li>Q. Okay.</li> <li>A. Yeah.</li> <li>Q. And if you're looking at infection rates</li> <li>with respect to what happens in the United States, if</li> <li>the majority of the United States operating rooms do</li> <li>not do not contain laminar flow, then the issue</li> </ul>	09:53:44 13 09:53:44 14 09:53:48 15 09:53:53 16 09:53:53 17 09:53:54 18 09:53:57 19 09:53:58 20	<ul> <li>Q correct?</li> <li>A. Yes.</li> <li>Q. You'd defer to a someone that's a that's an expert in fluid dynamics; correct?  MR. COREY GORDON: Object to the form of the question.</li> <li>A. Fluid dynamics to talk about air, you mean?</li> <li>Q. Yes.</li> <li>A. Yeah, I'll talk about the clinical studies, and they can talk about the basic science of airflow,</li> </ul>
09:52:09 13 09:52:11 14 09:52:11 15 09:52:11 16 09:52:11 17 09:52:13 18 09:52:15 19 09:52:20 20 09:52:22 21 09:52:24 22	<ul> <li>A. Pardon me?</li> <li>Q. The case is here in the United States of</li> <li>America.</li> <li>A. Yes, they are.</li> <li>Q. Okay.</li> <li>A. Yeah.</li> <li>Q. And if you're looking at infection rates</li> <li>with respect to what happens in the United States, if</li> <li>the majority of the United States operating rooms do</li> </ul>	09.53:44 13 09.53:44 14 09.53:48 15 09.53:53 16 09.53:53 17 09.53:54 18 09.53:57 19 09.53:58 20 09.54:00 21 09.54:05 22	<ul> <li>Q correct?</li> <li>A. Yes.</li> <li>Q. You'd defer to a someone that's a that's an expert in fluid dynamics; correct?  MR. COREY GORDON: Object to the form of the question.</li> <li>A. Fluid dynamics to talk about air, you mean?</li> <li>Q. Yes.</li> <li>A. Yeah, I'll talk about the clinical studies, and they can talk about the basic science of airflow, absolutely.</li> </ul>
09:52:09 13 09:52:11 14 09:52:11 15 09:52:11 17 09:52:11 17 09:52:13 18 09:52:15 19 09:52:20 20 09:52:22 21 09:52:24 22 09:52:27 23	<ul> <li>A. Pardon me?</li> <li>Q. The case is here in the United States of</li> <li>America.</li> <li>A. Yes, they are.</li> <li>Q. Okay.</li> <li>A. Yeah.</li> <li>Q. And if you're looking at infection rates</li> <li>with respect to what happens in the United States, if</li> <li>the majority of the United States operating rooms do</li> <li>not do not contain laminar flow, then the issue</li> <li>between laminar and turbulent is irrelevant; correct?</li> <li>A. Well</li> </ul>	09.53.44 13 09.53.44 14 09.53.48 15 09.53.53 16 09.53.53 17 09.53.54 18 09.53.57 19 09.53.58 20 09.54.00 21 09.54.05 22 09.54.14 23	<ul> <li>Q correct?</li> <li>A. Yes.</li> <li>Q. You'd defer to a someone that's a that's an expert in fluid dynamics; correct?  MR. COREY GORDON: Object to the form of the question.</li> <li>A. Fluid dynamics to talk about air, you mean?</li> <li>Q. Yes.</li> <li>A. Yeah, I'll talk about the clinical studies, and they can talk about the basic science of airflow, absolutely.</li> <li>Q. Are you familiar with Memarzadeh?</li> </ul>
09:52:09 13 09:52:11 14 09:52:11 15 09:52:11 17 09:52:13 18 09:52:15 19 09:52:20 20 09:52:22 21 09:52:24 22 09:52:27 23 09:52:28 24	<ul> <li>A. Pardon me?</li> <li>Q. The case is here in the United States of</li> <li>America.</li> <li>A. Yes, they are.</li> <li>Q. Okay.</li> <li>A. Yeah.</li> <li>Q. And if you're looking at infection rates</li> <li>with respect to what happens in the United States, if</li> <li>the majority of the United States operating rooms do</li> <li>not do not contain laminar flow, then the issue</li> <li>between laminar and turbulent is irrelevant; correct?</li> <li>A. Well</li> <li>MR. COREY GORDON: Object to the form of</li> </ul>	09:53:44 13 09:53:44 14 09:53:48 15 09:53:53 16 09:53:53 17 09:53:54 18 09:53:57 19 09:53:58 20 09:54:00 21 09:54:05 22 09:54:14 23 09:54:16 24	<ul> <li>Q correct?</li> <li>A. Yes.</li> <li>Q. You'd defer to a someone that's a that's an expert in fluid dynamics; correct?  MR. COREY GORDON: Object to the form of the question.</li> <li>A. Fluid dynamics to talk about air, you mean?</li> <li>Q. Yes.</li> <li>A. Yeah, I'll talk about the clinical studies, and they can talk about the basic science of airflow, absolutely.</li> <li>Q. Are you familiar with Memarzadeh?</li> <li>A. With what?</li> </ul>
09:52:09 12 09:52:01 14 09:52:11 15 09:52:11 16 09:52:11 17 09:52:13 18 09:52:15 19 09:52:20 20 09:52:22 21 09:52:24 22 09:52:24 22 09:52:28 24 09:52:29 25	<ul> <li>A. Pardon me?</li> <li>Q. The case is here in the United States of</li> <li>America.</li> <li>A. Yes, they are.</li> <li>Q. Okay.</li> <li>A. Yeah.</li> <li>Q. And if you're looking at infection rates</li> <li>with respect to what happens in the United States, if</li> <li>the majority of the United States operating rooms do</li> <li>not do not contain laminar flow, then the issue</li> <li>between laminar and turbulent is irrelevant; correct?</li> <li>A. Well</li> <li>MR. COREY GORDON: Object to the form of</li> <li>the question, also lack of foundation.</li> </ul>	09.53.44 13 09.53.44 14 09.53.48 15 09.53.53 16 09.53.53 17 09.53.54 18 09.53.57 19 09.53.58 20 09.54.00 21 09.54.05 22 09.54.14 23	<ul> <li>Q correct?</li> <li>A. Yes.</li> <li>Q. You'd defer to a someone that's a that's an expert in fluid dynamics; correct?  MR. COREY GORDON: Object to the form of the question.</li> <li>A. Fluid dynamics to talk about air, you mean?</li> <li>Q. Yes.</li> <li>A. Yeah, I'll talk about the clinical studies, and they can talk about the basic science of airflow, absolutely.</li> <li>Q. Are you familiar with Memarzadeh?</li> <li>A. With what?</li> <li>Q. Memarzadeh?</li> </ul>
09:52:09 13 09:52:11 14 09:52:11 15 09:52:11 17 09:52:13 18 09:52:15 19 09:52:20 20 09:52:22 21 09:52:24 22 09:52:27 23 09:52:28 24	<ul> <li>A. Pardon me?</li> <li>Q. The case is here in the United States of</li> <li>America.</li> <li>A. Yes, they are.</li> <li>Q. Okay.</li> <li>A. Yeah.</li> <li>Q. And if you're looking at infection rates</li> <li>with respect to what happens in the United States, if</li> <li>the majority of the United States operating rooms do</li> <li>not do not contain laminar flow, then the issue</li> <li>between laminar and turbulent is irrelevant; correct?</li> <li>A. Well</li> <li>MR. COREY GORDON: Object to the form of</li> </ul>	09:53:44 13 09:53:44 14 09:53:48 15 09:53:53 16 09:53:53 17 09:53:54 18 09:53:57 19 09:53:58 20 09:54:00 21 09:54:05 22 09:54:14 23 09:54:16 24	<ul> <li>Q correct?</li> <li>A. Yes.</li> <li>Q. You'd defer to a someone that's a that's an expert in fluid dynamics; correct?  MR. COREY GORDON: Object to the form of the question.</li> <li>A. Fluid dynamics to talk about air, you mean?</li> <li>Q. Yes.</li> <li>A. Yeah, I'll talk about the clinical studies, and they can talk about the basic science of airflow, absolutely.</li> <li>Q. Are you familiar with Memarzadeh?</li> <li>A. With what?</li> </ul>

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9:54:19		49 MR. COREY GORDON: Object to the form of	09:55:57	Α.	No, I don't.
9:54:20 2	the ques		09:55:58 2	Q.	Okay.
:54:20 3	Q.	Do you know who he is?	09:56:07	۵.	(Wenzel Exhibit 4 marked for
:54:21 4	Α.	I don't think so.	09:56:07		identification.)
54:21 5	Q.	Okay.	09:56:07 5	BY MR. A	•
54:24		MR. ASSAAD: What was the basis?	09:56:31		Exhibit 4 is a copy of your curriculum
54:26 7		MR. COREY GORDON: Memarzadeh? I mean, if	09:56:35		this the most up to date copy of your
54:27	vou wan	t to ask him about a specific study or I	09:56:37	curriculu	
54:31	•	nere are proba	09:56:38		I think so.
54:31 10	,	MR. ASSAAD: Who he is. Who he is.	09:56:42 10	Q.	Are you board certified in infectious
54:31 11		MR. COREY GORDON: You know, Gabe, I'll bet	09:56:45 11	disease?	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
54:31 <b>12</b>		,,,,	09:56:45 12	Α.	I'm board certified in infectious disease
54:33 <b>13</b>	Q.	Do you know who Darouiche is? Do you know	09:56:47 13	and inter	nal medicine.
54:36 <b>14</b>	•	ouiche is?	09:56:48 14	Q.	Okay. I don't want to spend too much time,
4:36 15		MR. COREY GORDON: I'll bet there's several	09:56:52 15		se help me out here. I want to go to your
4:38 16	hundred	people in the United States whose last name	09:56:55 16	publicati	
4:39 17	is Memai		09:56:56 17	•	Sure.
54:40 <b>18</b>		MR. ASSAAD: Okay Corey, great.	09:57:03 18		which I believe starts on page under
54:41 19	Q.	Do you know who Darouiche is?	09:57:10 19		iography. There's no page numbers. I'm
4:43 20		I do.	09:57:14 20	sorry.	5 , ,
54:43 <b>21</b>	_	How many Darouiches are there in the United	09:57:14 21	, , , , , , , , , , , , , , , , , , ,	Yeah, there should be. I'm sorry.
54:46 <b>22</b>		lo you think?	09:57:17 <b>22</b>	Q.	Well that's what was provided to me.
54:46 <b>23</b>	•	I have no idea.	09:57:19 23	4	Is that another mistake?
4:47 24		Okay. But you know the Darouiche I'd be	09:57:20 <b>24</b>	Α.	Well
54:48 <b>25</b>		bout in this case; correct?	09:57:20 <b>25</b>	7.11	MR. COREY GORDON: Object to the form of
J-1.40 <b></b>	tanting a	STIREWALT & ASSOCIATES	00.07.20		STIREWALT & ASSOCIATES
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		50			52
54:50 <b>1</b>	A.	Yes.	09:57:21 <b>1</b>	the ques	tion.
54:50 <b>2</b>	Q.	Okay. You mentioned particles in an earlier	09:57:21 <b>2</b>	A.	I don't know if it's a mistake. I wish
55:13	answer.	Do you agree that particles can carry	09:57:23	they wer	e there to help you.
i5:17 <b>4</b>	bacteria?	)	09:57:24 4	Q.	Okay. The bibliography sometimes your name
5:17	A.	Yes, some of them can.	09:57:28 5	ic firct ar	
		res, some or them can.	09:57:28	13 111 30 01	nd sometimes it's last or in the middle.
5:19 6	Q.	What do you mean by "some of them"?	09:57:28 6		
-		•		What do	
55:21 7	A.	What do you mean by "some of them"?	09:57:30 6	What do	es that mean with respect to published papers?
55:21 <b>7</b> 55:24 <b>8</b>	<b>A.</b> vary, plu	What do you mean by "some of them"? I think the I've seen sort of percentages	09:57:30 <b>6</b> 09:57:33 <b>7</b>	What do	es that mean with respect to published papers? If you're the first author it's you're the
5:21 <b>7</b> 5:24 <b>8</b> 5:27 <b>9</b>	<b>A.</b> vary, plu	What do you mean by "some of them"?  I think the I've seen sort of percentages or minus 40 percent or something like that.	09:57:30 <b>6</b> 09:57:33 <b>7</b> 09:57:35 <b>8</b>	What do A. one who line doin	es that mean with respect to published papers? If you're the first author it's you're the really did the work, you were at the front
5:21 <b>7</b> 5:24 <b>8</b> 5:27 <b>9</b> 5:29 <b>10</b>	<b>A.</b> vary, plu <b>Q</b> .	What do you mean by "some of them"? I think the I've seen sort of percentages s or minus 40 percent or something like that. What percentages carry parti	09:57:30 <b>6</b> 09:57:33 <b>7</b> 09:57:35 <b>8</b> 09:57:38 <b>9</b>	What do <b>A.</b> one who line doin first auth	es that mean with respect to published papers? If you're the first author it's you're the really did the work, you were at the front g the work and should get the credit as the
55:21 <b>7</b> 55:24 <b>8</b> 55:27 <b>9</b> 55:29 <b>10</b> 55:31 <b>11</b>	<b>A.</b> vary, plu <b>Q</b> .	What do you mean by "some of them"? I think the I've seen sort of percentages or minus 40 percent or something like that. What percentages carry parti In an operating room, what percentage of the	09:57:30 <b>6</b> 09:57:33 <b>7</b> 09:57:35 <b>8</b> 09:57:38 <b>9</b> 09:57:43 <b>10</b>	What doe A. one who line doin first auth usually t	es that mean with respect to published papers? If you're the first author it's you're the really did the work, you were at the front g the work and should get the credit as the lor. If you're the last author you're
55:21 <b>7</b> 55:24 <b>8</b> 55:27 <b>9</b> 55:29 <b>10</b> 55:31 <b>11</b> 55:32 <b>12</b>	<b>A.</b> vary, plu <b>Q</b> .	What do you mean by "some of them"?  I think the I've seen sort of percentages is or minus 40 percent or something like that.  What percentages carry parti In an operating room, what percentage of the carry bacteria?  MR. COREY GORDON: Object to the form of	09:57:30 <b>6</b> 09:57:33 <b>7</b> 09:57:35 <b>8</b> 09:57:38 <b>9</b> 09:57:43 <b>10</b> 09:57:46 <b>11</b>	What doe A. one who line doin first auth usually t	es that mean with respect to published papers?  If you're the first author it's you're the really did the work, you were at the front g the work and should get the credit as the lor. If you're the last author you're he person the senior member of the team, esign the study and helped perhaps with the
55:21 7 55:24 8 55:27 9 55:29 10 55:31 11 55:32 12 55:33 13	A. vary, plu Q. particles	What do you mean by "some of them"?  I think the I've seen sort of percentages is or minus 40 percent or something like that.  What percentages carry parti In an operating room, what percentage of the carry bacteria?  MR. COREY GORDON: Object to the form of	09:57:30 6 09:57:33 7 09:57:35 8 09:57:38 9 09:57:43 10 09:57:46 11 09:57:50 12	What doe A. one who line doin first auth usually t helped d protocol.	es that mean with respect to published papers?  If you're the first author it's you're the really did the work, you were at the front g the work and should get the credit as the lor. If you're the last author you're he person the senior member of the team, esign the study and helped perhaps with the
7 55:24 8 55:27 9 55:29 10 55:31 11 55:32 12 55:33 13 55:33 14	A. vary, plu Q. particles the ques A.	What do you mean by "some of them"?  I think the I've seen sort of percentages is or minus 40 percent or something like that.  What percentages carry parti In an operating room, what percentage of the carry bacteria?  MR. COREY GORDON: Object to the form of tion.	09:57:30 6 09:57:33 7 09:57:35 8 09:57:38 9 09:57:43 10 09:57:46 11 09:57:50 12 09:57:55 13	What doe  A.  one who line doin first auth usually t helped d protocol. Q.	es that mean with respect to published papers?  If you're the first author it's you're the really did the work, you were at the front g the work and should get the credit as the lor. If you're the last author you're he person the senior member of the team, esign the study and helped perhaps with the
55:21 7 55:24 8 55:27 9 55:29 10 55:31 11 55:32 12 55:33 13 55:33 14 55:33 15	A. vary, plu Q. particles the ques A. I've seen	What do you mean by "some of them"?  I think the I've seen sort of percentages is or minus 40 percent or something like that.  What percentages carry parti In an operating room, what percentage of the carry bacteria?  MR. COREY GORDON: Object to the form of tion.  Well I don't know, but I'm giving you what	09:57:30 6 09:57:33 7 09:57:35 8 09:57:38 9 09:57:43 10 09:57:46 11 09:57:50 12 09:57:55 13 09:57:56 14	What doe  A.  one who line doin first auth usually t helped d protocol.  Q. journal/b	es that mean with respect to published papers?  If you're the first author it's you're the really did the work, you were at the front g the work and should get the credit as the for. If you're the last author you're the person the senior member of the team, esign the study and helped perhaps with the  Okay. And you have text books, and
55:21 7 55:24 8 55:27 9 55:29 10 55:31 11 55:32 12 55:33 13 55:33 14 55:35 15 55:35 16	A. vary, plu Q. particles the ques A. I've seen Q.	What do you mean by "some of them"?  I think the I've seen sort of percentages sor minus 40 percent or something like that.  What percentages carry parti In an operating room, what percentage of the carry bacteria?  MR. COREY GORDON: Object to the form of tion.  Well I don't know, but I'm giving you what a printed in the literature, 40 percent.	09:57:30 6 09:57:33 7 09:57:35 8 09:57:38 9 09:57:43 10 09:57:46 11 09:57:50 12 09:57:56 14 09:58:01 15	What doe  A.  one who line doin first auth usually t helped d protocol.  Q. journal/b	es that mean with respect to published papers?  If you're the first author it's you're the really did the work, you were at the front g the work and should get the credit as the for. If you're the last author you're he person the senior member of the team, esign the study and helped perhaps with the  Okay. And you have text books, and book section editor, books for general ip, and monographs. What are the difference
55:21 7 55:24 8 55:27 9 55:29 10 55:31 11 55:32 12 55:33 13 55:33 14 55:35 15 55:39 16 55:40 17	A. vary, plu Q. particles the ques A. I've seen Q.	What do you mean by "some of them"?  I think the I've seen sort of percentages is or minus 40 percent or something like that.  What percentages carry parti In an operating room, what percentage of the carry bacteria?  MR. COREY GORDON: Object to the form of tion.  Well I don't know, but I'm giving you what is printed in the literature, 40 percent.  Forty percent of the particles in an	09:57:30 6 09:57:33 7 09:57:35 8 09:57:38 9 09:57:43 10 09:57:46 11 09:57:50 12 09:57:55 13 09:57:56 14 09:58:01 15 09:58:04 16	What doe  A.  one who line doin first auth usually t helped d protocol.  Q. journal/t readersh between	es that mean with respect to published papers?  If you're the first author it's you're the really did the work, you were at the front g the work and should get the credit as the for. If you're the last author you're he person the senior member of the team, esign the study and helped perhaps with the  Okay. And you have text books, and book section editor, books for general ip, and monographs. What are the difference
5:21 7 5:24 8 5:27 9 5:29 10 5:31 11 5:32 12 5:33 13 5:33 14 5:35 15 5:39 16 5:40 17 5:41 18	A. vary, plu Q. particles the ques A. I've seen Q.	What do you mean by "some of them"?  I think the I've seen sort of percentages is or minus 40 percent or something like that.  What percentages carry parti In an operating room, what percentage of the carry bacteria?  MR. COREY GORDON: Object to the form of tion.  Well I don't know, but I'm giving you what in printed in the literature, 40 percent.  Forty percent of the particles in an ingroom carry bacteria?  MR. COREY GORDON: Object to the form of	09:57:30 6 09:57:33 7 09:57:35 8 09:57:38 9 09:57:43 10 09:57:40 11 09:57:50 12 09:57:55 13 09:57:56 14 09:58:01 15 09:58:04 16 09:58:06 17	What doe  A. one who line doin first auth usually t helped d protocol. Q. journal/t readersh between A.	es that mean with respect to published papers?  If you're the first author it's you're the really did the work, you were at the front g the work and should get the credit as the for. If you're the last author you're the person the senior member of the team, esign the study and helped perhaps with the  Okay. And you have text books, and took section editor, books for general ip, and monographs. What are the difference them?
5:21 7 5:524 8 6:527 9 6:529 10 6:531 11 6:532 12 6:533 13 6:533 14 6:535 15 6:540 17 6:541 18 6:541 19	A. vary, plu Q. particles the ques A. I've seen Q. operating the ques	What do you mean by "some of them"?  I think the I've seen sort of percentages is or minus 40 percent or something like that.  What percentages carry parti In an operating room, what percentage of the carry bacteria?  MR. COREY GORDON: Object to the form of tion.  Well I don't know, but I'm giving you what in printed in the literature, 40 percent.  Forty percent of the particles in an ingroom carry bacteria?  MR. COREY GORDON: Object to the form of	09:57:30 6 09:57:33 7 09:57:35 8 09:57:38 9 09:57:43 10 09:57:40 11 09:57:50 12 09:57:56 14 09:58:01 15 09:58:01 15 09:58:01 17 09:58:01 18	What doe  A. one who line doin first auth usually t helped d protocol. Q. journal/t readersh between A.	es that mean with respect to published papers?  If you're the first author it's you're the really did the work, you were at the front g the work and should get the credit as the tor. If you're the last author you're the person the senior member of the team, esign the study and helped perhaps with the  Okay. And you have text books, and book section editor, books for general ip, and monographs. What are the difference them?  Okay. So under the papers, these are
55:21 7 55:24 8 55:25 9 55:29 10 55:31 11 55:32 12 55:33 13 55:33 14 55:35 15 55:39 16 55:40 17 55:41 18 55:41 19 55:42 20	A. vary, plu Q. particles the ques A. I've seer Q. operating the ques A.	What do you mean by "some of them"?  I think the I've seen sort of percentages is or minus 40 percent or something like that.  What percentages carry parti In an operating room, what percentage of the carry bacteria?  MR. COREY GORDON: Object to the form of tion.  Well I don't know, but I'm giving you what in printed in the literature, 40 percent.  Forty percent of the particles in an igroom carry bacteria?  MR. COREY GORDON: Object to the form of tion.	09:57:30 6 09:57:33 7 09:57:35 8 09:57:38 9 09:57:43 10 09:57:46 11 09:57:50 12 09:57:56 14 09:58:01 15 09:58:04 16 09:58:07 18 09:58:07 18	What doe  A. one who line doin first auth usually t helped d protocol. Q. journal/t readersh between A. tend to b	es that mean with respect to published papers?  If you're the first author it's you're the really did the work, you were at the front g the work and should get the credit as the tor. If you're the last author you're the person the senior member of the team, esign the study and helped perhaps with the  Okay. And you have text books, and took section editor, books for general ip, and monographs. What are the difference them?  Okay. So under the papers, these are
55:21 7 55:24 8 55:24 9 55:29 10 55:31 11 55:32 12 55:33 13 55:33 14 55:35 15 55:39 16 55:41 18 55:41 19 55:42 20 55:42 21	A. vary, plu Q. particles the ques A. I've seen Q. operating the ques A. bacteria.	What do you mean by "some of them"?  I think the I've seen sort of percentages is or minus 40 percent or something like that.  What percentages carry parti In an operating room, what percentage of the carry bacteria?  MR. COREY GORDON: Object to the form of tion.  Well I don't know, but I'm giving you what in printed in the literature, 40 percent.  Forty percent of the particles in an ingroom carry bacteria?  MR. COREY GORDON: Object to the form of tion.  Forty percent of particles can carry	09:57:30 6 09:57:33 7 09:57:35 8 09:57:38 9 09:57:43 10 09:57:46 11 09:57:50 12 09:57:56 14 09:58:01 15 09:58:04 16 09:58:07 18 09:58:07 18 09:58:12 19 09:58:16 20	What doe  A. one who line doin first auth usually t helped d protocol. Q. journal/b readersh between A. tend to b journals.	es that mean with respect to published papers?  If you're the first author it's you're the really did the work, you were at the front g the work and should get the credit as the for. If you're the last author you're the person the senior member of the team, resign the study and helped perhaps with the  Okay. And you have text books, and fook section editor, books for general ip, and monographs. What are the difference them?  Okay. So under the papers, these are the peer-reviewed articles published in  Umm-hmm.
55:21 7 55:24 8 55:27 9 55:29 10 55:31 11 55:32 12 55:33 13 55:33 14 55:33 15 55:39 16 55:40 17 55:41 18 55:41 19 55:42 20 55:46 21 55:46 21	A. vary, plu Q. particles the ques A. I've seen Q. operating the ques A. bacteria.	What do you mean by "some of them"?  I think the I've seen sort of percentages is or minus 40 percent or something like that.  What percentages carry parti In an operating room, what percentage of the carry bacteria?  MR. COREY GORDON: Object to the form of tion.  Well I don't know, but I'm giving you what in printed in the literature, 40 percent.  Forty percent of the particles in an ing room carry bacteria?  MR. COREY GORDON: Object to the form of tion.  Forty percent of particles can carry I don't know how well that's been studied erating room by itself, but I'm happy to talk	09:57:30 6 09:57:33 7 09:57:35 8 09:57:38 9 09:57:43 10 09:57:46 11 09:57:50 12 09:57:56 14 09:58:01 15 09:58:04 16 09:58:06 17 09:58:07 18 09:58:12 19 09:58:16 20 09:58:17 21	What doe  A. one who line doin first auth usually t helped d protocol. Q. journal/t readersh between A. tend to t journals. Q. A.	es that mean with respect to published papers?  If you're the first author it's you're the really did the work, you were at the front g the work and should get the credit as the for. If you're the last author you're the person the senior member of the team, resign the study and helped perhaps with the  Okay. And you have text books, and fook section editor, books for general ip, and monographs. What are the difference them?  Okay. So under the papers, these are the peer-reviewed articles published in  Umm-hmm.
55:21 7 55:24 8 55:27 9 55:29 10 55:31 11 55:32 12 55:33 13 55:33 14 55:35 15 55:39 16 55:40 17 55:41 18 55:41 19 55:42 20 55:42 20 55:48 22 55:48 22 55:58 23	A. vary, plu Q. particles the ques A. I've seer Q. operating the ques A. bacteria. in an operation of the plus about particles	What do you mean by "some of them"?  I think the I've seen sort of percentages is or minus 40 percent or something like that.  What percentages carry parti In an operating room, what percentage of the carry bacteria?  MR. COREY GORDON: Object to the form of tion.  Well I don't know, but I'm giving you what in printed in the literature, 40 percent.  Forty percent of the particles in an ing room carry bacteria?  MR. COREY GORDON: Object to the form of tion.  Forty percent of particles can carry I don't know how well that's been studied erating room by itself, but I'm happy to talk	09:57:30 6 09:57:33 7 09:57:35 8 09:57:38 9 09:57:43 10 09:57:40 11 09:57:50 12 09:57:56 14 09:58:01 15 09:58:01 15 09:58:01 17 09:58:01 18 09:58:12 19 09:58:12 19 09:58:17 21 09:58:19 22	What doe  A. one who line doin first auth usually t helped d protocol. Q. journal/t readersh between A. tend to b journals. Q. A. say, wou	es that mean with respect to published papers?  If you're the first author it's you're the really did the work, you were at the front g the work and should get the credit as the tor. If you're the last author you're he person the senior member of the team, esign the study and helped perhaps with the  Okay. And you have text books, and book section editor, books for general ip, and monographs. What are the difference them?  Okay. So under the papers, these are be peer-reviewed articles published in  Umm-hmm.  Monographs are sometimes just someone mig
55:21 7 55:24 8 55:27 9 55:29 10 55:31 11 55:32 12 55:33 13 55:33 14 55:35 15 55:39 16 55:40 17 55:41 19 55:41 19 55:42 20 55:46 21 55:48 22 55:50 23 55:50 23	A. vary, plu Q. particles the ques A. I've seer Q. operating the ques A. bacteria. in an operation of the plus about particles	What do you mean by "some of them"?  I think the I've seen sort of percentages is or minus 40 percent or something like that.  What percentages carry parti In an operating room, what percentage of the carry bacteria?  MR. COREY GORDON: Object to the form of tion.  Well I don't know, but I'm giving you what in printed in the literature, 40 percent.  Forty percent of the particles in an ingroom carry bacteria?  MR. COREY GORDON: Object to the form of tion.  Forty percent of particles can carry I don't know how well that's been studied erating room by itself, but I'm happy to talk inticles.	09:57:30 6 09:57:33 7 09:57:35 8 09:57:38 9 09:57:43 10 09:57:46 11 09:57:50 12 09:57:56 14 09:58:01 15 09:58:04 16 09:58:07 18 09:58:17 19 09:58:16 20 09:58:17 21 09:58:19 22 09:58:22 23	What doe  A. one who line doin first auth usually t helped d protocol. Q. journal/t readersh between A. tend to t journals. Q. A. say, wou surgical-	es that mean with respect to published papers?  If you're the first author it's you're the really did the work, you were at the front g the work and should get the credit as the tor. If you're the last author you're he person the senior member of the team, esign the study and helped perhaps with the  Okay. And you have text books, and took section editor, books for general ip, and monographs. What are the difference them?  Okay. So under the papers, these are the peer-reviewed articles published in  Umm-hmm.  Monographs are sometimes just someone mightly ou give us a review of something like
55:21 <b>7</b> 55:24 <b>8</b>	A. vary, plu Q. particles the ques A. I've seer Q. operating the ques A. bacteria. in an operation of the plus about particles	What do you mean by "some of them"?  I think the I've seen sort of percentages is or minus 40 percent or something like that.  What percentages carry parti In an operating room, what percentage of the carry bacteria?  MR. COREY GORDON: Object to the form of tion.  Well I don't know, but I'm giving you what in printed in the literature, 40 percent.  Forty percent of the particles in an ingroom carry bacteria?  MR. COREY GORDON: Object to the form of tion.  Forty percent of particles can carry I don't know how well that's been studied erating room by itself, but I'm happy to talk inticles.  Well, so Do you have a	09:57:30 6 09:57:33 7 09:57:35 8 09:57:38 9 09:57:43 10 09:57:46 11 09:57:50 12 09:57:56 14 09:58:01 15 09:58:04 16 09:58:06 17 09:58:07 18 09:58:12 19 09:58:16 20 09:58:17 21 09:58:19 22 09:58:22 23 09:58:22 24	What doe  A. one who line doin first auth usually t helped d protocol. Q. journal/t readersh between A. tend to t journals. Q. A. say, wou surgical-	es that mean with respect to published papers?  If you're the first author it's you're the really did the work, you were at the front g the work and should get the credit as the tor. If you're the last author you're he person the senior member of the team, esign the study and helped perhaps with the  Okay. And you have text books, and took section editor, books for general ip, and monographs. What are the difference them?  Okay. So under the papers, these are the peer-reviewed articles published in  Umm-hmm.  Monographs are sometimes just someone might you give us a review of something like site infections, for example, and you put

	CASE 0:15-md-02666-JNE-DTS CONFIDENTIAL - SUBJECT TO PROTECTIVE ORD	<del>)oc. 823-7</del>	Filed 09/12/17 Page 16 of 95 CONFIDENTIAL - SUBJECT TO PROTECTIVE ORDER
1	53	1	0 What do you mean by "reasonable"?
09:58:35 <b>1</b> 09:58:41 <b>2</b>	reviewed. It might be for a meeting, for example.  If you're asking me about the	10:00:14 <b>1</b>	<ul><li>Q. What do you mean by "reasonable"?</li><li>A. That they summed up the literature</li></ul>
•	What's the other thing you asked about, I		accurately. If you ask me to go back, for example, to
09:58:43 <b>3</b> 09:58:45 <b>4</b>	guess books or something like that	10:00:18 <b>3</b>	a 1981 publication, do I still believe that? I may
09:58:46 <b>5</b>	Q. Yeah.	10:00:25 <b>5</b>	not agree with that.
09:58:46 6	A I wrote? Yeah, I've written published	10:00:25 <b>3</b>	<b>Q.</b> Science advances over time; correct?
7	already one novel and one non-fiction book, and that's		A. No, I'm with you.
09:58:51 <b>/</b> 09:58:57 <b>8</b>	totally separate from the science side.	10:00:30	Q. Otherwise we'd be stuck in the stone age;
09:58:57	Q. I think I said "textbooks." I think you	10:00:31	correct?
09:59:02 10	have eight textbooks here.	10:00:32 10	A. I'm with you.
09:59:03 11	<b>A.</b> Oh, I'm sorry. Textbooks. What are	10:00:33 11	Q. Okay. And And even though something
09:59:05 12	textbooks?	10:00:33	might be appropriate at the time, some sort of
09:59:05 12	Q. No. I mean, what's the difference between a		procedure or medication, later on you might find out
09:59:06 13	textbook and a monograph?	10:00:41 13	that it's could be harmful to the patient; correct?
09:59:08 14	- '	10:00:44 14	
40	<b>A.</b> Oh a monograph is usually a very brief sort	10:00:46 13	<ul><li>A. Sometimes that happens, yes.</li><li>Q. Okay. I mean, it happens with many products</li></ul>
09:59:11 <b>16</b> 09:59:14 <b>17</b>	of summary on a particular topic.  Q. Can a monograph be authoritative?	10:00:47 10	in the world. I mean, we have recalls; correct?
09:59:14 17	A. Less steps than a textbook. Textbooks	10:00:51 17	MR. COREY GORDON: Object to the form of
09:59:17	should be highly referenced in general, so.	10:00:53 10	the question.
09:59:19 19 09:59:23 20	Q. So the "Handbook on Hospital Acquired	10:00:54 <b>19</b> 10:00:54 <b>20</b>	<b>A.</b> Yeah, we do have recalls, meaning that's
09:59:23 <b>20</b> 09:59:25 <b>21</b>	Infections," you're the author of that; correct?	10:00:54 <b>20</b> 10:00:58 <b>21</b>	where I guess the government, you mean, gets involved,
09:59:25 21	<b>A.</b> That's correct.	10:00:58 21	or the FDA.
09:59:28 <b>22</b>		10:01:01 22	_
09:59:29 <b>23</b>	<ul><li>Q. Published in 1981; correct?</li><li>A. Yes.</li></ul>	10:01:02 23	<ul><li>Q. Or it could be a voluntary recall; correct?</li><li>A. Yes, it could be. That's right.</li></ul>
09:59:30 <b>24</b>	Q. You could	10:01:04 24	_
09:59:30 23	STIREWALT & ASSOCIATES	10:01:05 25	Q. I mean, you expect corporations to be STIREWALT & ASSOCIATES
	1-800-553-1953 info@stirewalt.com		1-800-553-1953 info@stirewalt.com
	CONFIDENTIAL - SUBJECT TO PROTECTIVE ORD	)ED	CONFIDENTIAL - SUBJECT TO PROTECTIVE ORDER
	54		56
09:59:30 1	A. What pa Well let me just I'll go try	10:01:07	responsible and not put out harmful products into
09:59:33	to find.	10:01:10 2	into the market; correct?
09:59:34	Q. It's under "BIBLIOGRAPHY."	10:01:11 3	<b>A.</b> Well I'm an infection control person. I
09:59:35	A. Yeah. Yeah, go ahead.	10:01:14	don't want any harmful products.
09:59:40 <b>5</b>	Q. Are you there?	10:01:15 5	Q. Okay. And in fact, you know, you are an
09:59:40 6	A. Yeah. Thanks.	10:01:18 6	infectious disease person and you would understand
09:59:42 7	Q. Do you consider that book authoritative?	10:01:19 7	that a joint infection is a very serious infection.
09:59:44	A. Yes.	10:01:23	<b>A.</b> I've seen a number of patients with
09:59:44	Q. Okay. Do you consider all your writings	10:01:25	prosthetic joint infections. Taking care of them,
09:59:45 10	authoritative?	10:01:28 10	it's a big deal; they suffer physically, emotionally,
09:59:46 11	<b>A.</b> Well I'm biased, but of course I think I do.	10:01:31 11	sometimes financially. They often have miserable
09:59:50 12	Q. Okay. Were you	10:01:35 12	follow-up with repeated INDs, incision drainage. They
09:59:52 13	Did you write that whole book or were you	10:01:40 13	often have a spacer put in, so then then they have
09:59:54 14	just the editor?	10:01:43 14	the prosthesis taken out and put in. So I feel very
09:59:55 15	<b>A.</b> No, I'm the editor. When you see all of	10:01:46 <b>15</b>	sorry for those patients, no question.
09:59:57 16	these basically I'm the editor, and may have written	10:01:48 16	<b>Q.</b> And some of them die.
10:00:00 17	one or more chapters.	10:01:49 17	A. Occasionally die.
10:00:01 18	Q. But as the editor you you review	10:01:51 18	Q. I mean, it's not like an infection, you
10:00:03 19	everything in the book?	10:01:53 19	know, like strep or something that my kid gets.
10:00:04 <b>20</b>	<b>A.</b> Yeah, unfortunately.	10:01:56 <b>20</b>	A. Strep can kill you, by the way. I don't
10:00:04 20	Q. And you agree with everything that's in the	10:01:59 21	want to trivialize
10:00:07 22	in the in	10:02:01 22	Q. I understand that.
10:00:08 23	A. I don't know if I'd agree with everything,	10:02:01 22	A you or your child.
10.00.08	but at the time that the articles came across I	10:02:03 <b>23</b>	Q. But, I mean, much more money is spent on,
10:00:10	but at the time that the diddles calle across i		
	thought they were reasonable	40.00.07	VALLEDAM TIVING a faint intection than - than atron
10:00:10 <b>24</b> 10:00:12 <b>25</b>	thought they were reasonable.	10:02:07 <b>25</b>	you know, fixing a joint infection than than strep
	thought they were reasonable. STIREWALT & ASSOCIATES 1-800-553-1953 info@stirewalt.com	10:02:07 <b>25</b>	STIREWALT & ASSOCIATES  1-800-553-1953 info@stirewalt.com

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	CASE 0:15-md-02666-JNE-DTS Doc- CONFIDENTIAL - SUBJECT TO PROTECTIVE ORDER	<del>823-7</del>	Filed 09/12/17 Page 18 of 95 CONFIDENTIAL - SUBJECT TO PROTECTIVE ORDER
	61		63
10:06:30 1	Do you agree with that?	10:08:37	sorry. To a case, if you will, they were all
10:06:31 2	MR. COREY GORDON: I object to the form of	10:08:42	failures.
10:06:32 3	the question.	10:08:42 3	Q. And
10:06:32	A. And shown to increase.	10:08:43	<b>A.</b> And we published, by the way.
10:06:32	Q. Yes.	10:08:45 <b>5</b>	Q. I understand that.
10:06:35	<b>A.</b> Not a rare potential, one in a million, but	10:08:46 6	And those studies were funded by the
10:06:39 7	shown in the in the literature to increase	10:08:47	manufacturer of those drugs; correct?
10:06:39	infections. If you say it that way, yes.	10:08:49	<b>A.</b> By the pharmaceutical company, yeah.
10:06:42	<b>Q.</b> Okay. In the literature?	10:08:49	Q. Okay. Because no one else is going to fund
10:06:44	<b>A.</b> If somebody's done a study, in other words.	10:08:51 3	a study regarding their own product.
10:06:50 10	Q. Okay.	10:08:54	<b>A.</b> Yeah. It's hard sometimes to get NIH to
10:06:52 11	A. That's what I'm trying to say.	10:09:00 12	fund private industry.
10:06:55 13	Documentation. So you say it's contaminated and	10:09:01 13	Q. Okay. So usually private industry usually
10:06:58 14	linked to infections, I would say, how is it linked to	10:09:03 14	funds their own studies to determine the safety of
10:07:01 15	infection, hopefully in some study.	10:09:05 15	their of their product; correct?
10:07:03 16	<b>Q.</b> But does it have to be in the literature, or	10:09:07 16	MR. COREY GORDON: Object to the form of
10:07:05 17	can it be just from scientific evidence or common	10:09:08 17	the question.
10:07:08 18	sense?	10:09:08 17	<b>A.</b> Well certainly for drugs, which I have a lot
10:07:08 10	<b>A.</b> Common sense, no. There's a lot of people	10:09:08 10	of experience with, I you know, I haven't really
10:07:09 13	You know, there's a guy by the name of Galileo who	10:09:11 13	I don't think I have any studies that I've done on
10:07:17 21	defied common sense and found out that, you know, the	10:09:14 20	products.
10:07:17 21	earth's not the center of the universe. It was common	10:09:17 22	Q. Okay.
10:07:22 23	sense before that.	10:09:18 23	A. Well urinary catheter apparatus, I have done
10:07:42 <b>24</b>	<b>Q.</b> Okay. Do you agree it's the responsibility	10:09:18 24	studies on those.
10:07:44 <b>25</b>	of the corporation that manufactures a medical device	10:09:25 <b>25</b>	<b>Q.</b> And who funded that study?
10.07.44	STIREWALT & ASSOCIATES	10.09.23	STIREWALT & ASSOCIATES
	1-800-553-1953 info@stirewalt.com		1-800-553-1953 info@stirewalt.com
			. 000 000 1000 @0 01
	CONFIDENTIAL SUBJECT TO PROTECTIVE ORDER		CONFIDENTIAL SUBJECT TO PROTECTIVE ORDER
	CONFIDENTIAL - SUBJECT TO PROTECTIVE ORDER		CONFIDENTIAL - SUBJECT TO PROTECTIVE ORDER
10:07:47	62	10:00:26	64
10:07:47 <b>1</b>	to make sure it's safe?	10:09:26 <b>1</b>	<b>A.</b> Hmm?
10:07:49 2	to make sure it's safe?  MR. COREY GORDON: Object to the form of	10:09:26 2	A. Hmm? Q. Who funded that study?
10:07:49 <b>2</b> 10:07:49 <b>3</b>	to make sure it's safe?  MR. COREY GORDON: Object to the form of the question.	10:09:26 <b>2</b> 10:09:28 <b>3</b>	A. Hmm? Q. Who funded that study? A. It was funded by the industry itself, yeah.
10:07:49 <b>2</b> 10:07:49 <b>3</b> 10:07:51 <b>4</b>	to make sure it's safe?  MR. COREY GORDON: Object to the form of the question.  A. Manufacturers do what?	10:09:26 <b>2</b> 10:09:28 <b>3</b> 10:09:30 <b>4</b>	A. Hmm? Q. Who funded that study? A. It was funded by the industry itself, yeah. Q. Okay. Because industry wants to
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10:07:49 <b>2</b> 10:07:49 <b>3</b> 10:07:51 <b>4</b> 10:07:51 <b>5</b> 10:07:54 <b>6</b> 10:07:56 <b>7</b> 10:07:58 <b>8</b>	to make sure it's safe?  MR. COREY GORDON: Object to the form of the question.  A. Manufacturers do what?  Q. A medical device to make sure it's safe?  A. I think, yeah, again, I'm interested in	10.09.26	A. Hmm? Q. Who funded that study? A. It was funded by the industry itself, yeah. Q. Okay. Because industry wants to A. They Q perform studies to not A. Show the safety of their product. Q. You have to let me finish.
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	CONFIDENTIAL - SUBJECT TO PROTECTIVE ORDER		Filed 09/12/17 Page 19 of 95 CONFIDENTIAL - SUBJECT TO PROTECTIVE ORDER
1 4	MD COREY CORDON, Thereals a belower		67
10:10:05	MR. COREY GORDON: There's a balance.	10:11:47	Q and the recommendation by, say, for
10:10:06 2	MR. ASSAAD: I'm asking for the legal	10:11:50 2	example, a the advisory the Scientific Advisory
10:10:08 3	basis, not your	10:11:56 3	Board member of of a corporation that you need to
10:10:08 4	MR. COREY GORDON: The legal balance is	10:12:00 4	do some research regarding the safety of this product,
10:10:09 <b>5</b>	that the word "paramount" is vague.	10:12:03 <b>5</b>	do you agree that a responsible corporation would
10:10:12	MR. ASSAAD: Okay. Then say "vague."	10:12:05 6	consider doing the research?
10:10:12 7	MR. COREY GORDON: You were using it in a	10:12:07	<b>A.</b> Yeah. If there was a signal somewhere that
_		•	
10:10:13	particular context and he	10:12:10	the device or a product was unsafe, yeah, they need to
10:10:14	MR. ASSAAD: For the rec	10:12:14	go get some more work to prove it one way or another.
10:10:15 10	MR. COREY GORDON: he may interpret it	10:12:18 10	<b>Q.</b> You're aware that Dr. Sessler has done a lot
10:10:15 11	and as may the jury, in a different context.	10:12:22 11	of research regarding maintaining normothermia and the
10:10:17 12	MR. ASSAAD: For the record, I asked for	10:12:27 12	Bair Hugger.
10:10:18 13	the objection to my question, and Corey Gordon could	10:12:27 13	A. Yeah, he has. I don't know everything that
10:10:22 14	have said just, "vague"; however, he went into a	10:12:30 14	he's done, I have to tell you that.
10:10:25 15	one-minute discussion on "paramount" and everything	10:12:32 15	Q. Are you aware that he's on the Advisory
10:10:30 16	like that.	10:12:34 16	Board for 3M?
10:10:30 17	So going forward, Corey, I request that if	10:12:35 17	<b>A.</b> I may have seen that in one of the
10:10:33 18	I ask for a basis just tell me the legal basis, not	10:12:37 18	depositions. I wasn't aware of that
10:10:35 19	your reasoning why it's vague, or or lack of	10:12:39 19	Q. Are you aware that
10:10:39 20	foundation. Fair enough?	10:12:39 <b>20</b>	<b>A.</b> in general.
10:10:40 21	MR. COREY GORDON: I'm not going to agree	10:12:40 <b>21</b>	Q he ghost wrote, or not ghost wrote, he
10:10:40 21	to	10:12:44 22	
			he I'm sorry he submitted a study in 2011
10:10:42 23	MR. ASSAAD: Okay. So you don't want to	10:12:46 <b>23</b>	regarding particle tests?
10:10:43 <b>24</b>	agree to no speaking objections. I understand.	10:12:48 <b>24</b>	<b>A.</b> I'm not sure I knew that.
10:10:45 <b>25</b>	MR. COREY GORDON: I'm not going to agree	10:12:49 <b>25</b>	Q. Did you not review the 2011 study by by
	STIREWALT & ASSOCIATES		STIREWALT & ASSOCIATES
	1-800-553-1953 info@stirewalt.com		1-800-553-1953 info@stirewalt.com
	CONFIDENTIAL - SUBJECT TO PROTECTIVE ORDER		CONFIDENTIAL - SUBJECT TO PROTECTIVE ORDER
	66		68
10:10:47	to your characterizations.	1	Daniel Sessler and Russ Olmsted?
	•	10:12:53	
10:10:48 2	MR. ASSAAD: Okay.	10:12:57	
	•	_	A. I may have, I just can't recall the study.
10:10:49 3	BY MR. ASSAAD:	10:13:00 3	Q. Do you know who Russ Olmsted is?
10:10:49 <b>3</b> 10:10:53 <b>4</b>	•	10:13:00 <b>3</b> 10:13:02 <b>4</b>	
	BY MR. ASSAAD:	4	Q. Do you know who Russ Olmsted is?
10:10:53 4	BY MR. ASSAAD:  Q. So with respect to a medical device, you would agree with me that the responsibility to	10:13:02	<ul><li>Q. Do you know who Russ Olmsted is?</li><li>A. No.</li><li>Q. So going back to your CV under your</li></ul>
10:10:53 <b>4</b> 10:10:58 <b>5</b> 10:11:01 <b>6</b>	BY MR. ASSAAD:  Q. So with respect to a medical device, you would agree with me that the responsibility to determine its safety before it goes on the market is	10:13:02 <b>4</b> 10:13:05 <b>5</b> 10:13:13 <b>6</b>	<ul> <li>Q. Do you know who Russ Olmsted is?</li> <li>A. No.</li> <li>Q. So going back to your CV under your bibliography, it seems like you wrote two books,</li> </ul>
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10:10:53 <b>4</b> 10:10:58 <b>5</b> 10:11:01 <b>6</b> 10:11:04 <b>7</b> 10:11:07 <b>8</b> 10:11:10 <b>9</b> 10:11:11 <b>10</b>	BY MR. ASSAAD:  Q. So with respect to a medical device, you would agree with me that the responsibility to determine its safety before it goes on the market is the manufacturer of the medical device; correct?  A. Yeah. That's why they fund studies, to test both safety and efficacy.  Q. And they should fund studies; correct?	10:13:02 <b>4</b> 10:13:05 <b>5</b> 10:13:13 <b>6</b> 10:13:20 <b>7</b> 10:13:27 <b>8</b> 10:13:31 <b>9</b> 10:13:31 <b>10</b>	<ul> <li>Q. Do you know who Russ Olmsted is?</li> <li>A. No.</li> <li>Q. So going back to your CV under your bibliography, it seems like you wrote two books, textbooks in 2014 under "Clinical Decision Support"?</li> <li>A. Oh yeah. That's an online text now,</li> <li>Q. Do</li> <li>A resource.</li> </ul>
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	CASE 0:15-md-02666-JNE-DTS Doc CONFIDENTIAL - SUBJECT TO PROTECTIVE ORDER	<del>823-7</del>	Filed 09/12/17 Page 20 of 95 CONFIDENTIAL - SUBJECT TO PROTECTIVE ORDER
	69		71
10:14:04	Q. So you consider those accurate and	10:15:41	<b>A.</b> Oh.
10:14:05 <b>2</b>	authoritative?	10:15:41 <b>2</b>	MR. ASSAAD: Yes, and that, too.
10:14:06 3	A. Yeah, at the time that we did it.	10:15:44 3	MR. GOSS: Mistakes.
10:14:08 4	Q. Okay. What are "Books For General	10:15:44	A. Appreciate that.
10:14:10 <b>5</b>	Readership," are those the two books, your fiction and	10:15:47 <b>5</b>	Q. Was this funded by a nonprofit organization,
10:14:12 6	nonfiction?	10:15:50 6	or
10:14:13 7	<b>A.</b> Yeah. I want you to buy one for everybody	10:15:50 7	<b>A.</b> Actually I've been a member of the
10:14:15	in your corporation so that they can have a good time.	10:15:52	International Society for Infectious Disease for a
10:14:18 9	<b>Q.</b> Well if you gave me a free copy I may have	10:15:56	long time, and was president roughly, I don't
10:14:16	been able to recommend it.	10:15:59 10	remember, 2008 or '10 or so. And three years before
10:14:20 10	(Laughter.)	10:15:59 10	that I was asked by the former president if I would
10:14:22 11	MR. COREY GORDON: I can recommend it.	10:16:03 11	organize a handbook; in other words, something that
10:14:22 12	A	10:16:07 12	would fit in a pocket, that would be useful to give to
10:14:29 13		10:16:09 13	healthcare workers in countries throughout the world
	CO		
10:14:32 15	MR. COREY GORDON: And I I paid for	10:16:18 15	that are developing countries that really couldn't
10:14:33 16	mine.	10:16:20 16	afford to buy a text that have no computer resources.
10:14:34 17	THE WITNESS: I'll give you another one.	10:16:24 17	So I did that, and the handbook is just what it looks
10:14:36 18	MS. ZIMMERMAN: If you're reading anything	10:16:28 18	like, about a handbook size.
10:14:39 19	but literature.	10:16:30 19	Q. And you've updated it periodically, you
10:14:39 20	Q. Then, under "Monograph," do you consider	10:16:32 20	started in 1998; correct?
10:14:41 21	those authoritative?	10:16:33 21	A. Yeah.
10:14:42 <b>22</b>	<b>A.</b> Yeah, they were you know, they were	10:16:34 <b>22</b>	Q. And the last edition was 2008?
10:14:45 <b>23</b>	trying to be up-to-date summaries, they weren't trying	10:16:36 23	A. No. That's the last one that I and
10:14:51 <b>24</b>	to be in any way in-depth sort of critical reviews.	10:16:38 <b>24</b>	actually there are there are ones I've passed it
10:14:55 <b>25</b>	<b>Q.</b> But	10:16:42 <b>25</b>	over to now, a first editor, Gonzalo Bearman, who's at
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	70	_	72
10:14:55	So, for example, under Doebbeling, Herwaldt,	10:16:47	our institution, and on the last one, which was
10:14:59 2	Nettleman, Pfaller and Wenzel, "Hospital-Acquired	10:16:50 2	probably 2014 or '15, I was a senior author or senior
10:15:02 3	Infections: New Challenges," 1991, do you consider	10:16:56 3	editor, if you will. I'm trying to transition to
10:15:05 4	that authoritative?	10:16:59 4	other people. And so for the next one that'll be out
10:15:07 5	A. It was at the time.	10:17:01 5	in a year or two, I won't be editing that.
10:15:07 6	Where are we, though? I just want to make	10:17:06 6	Q. But in any event, you consider that
10:15:09 7	sure.	10:17:08 7	authoritative.
10:15:09	Q. Under "Monographs," number 2.	10:17:08	<b>A.</b> Well it's very good for what we're trying to
10:15:13	A. Text Books. Oh, I'm sorry.	10:17:11 9	do.
10:15:16 10	Yeah. I mean, I did my best at the time.	10:17:12 10	Q. Okay.
10:15:19 11	Q. Who's	10:17:12 11	<b>A.</b> We're trying to provide resources to
10:15:20 12	Under "A Guide to Infection Control in the	10:17:14 12	Q. Prevent infections.
10:15:23 13	Hospital," "Editors," that one interested me because	10:17:16 13	A. Absolutely.
10:15:26 14	you write: "Over 60,000 copies have been distributed	10:17:18 14	Q. So you consider it authoritative and you're
10:15:28 15	free of charge	10:17:19 15	sending it around the world.
10:15:29 16	A. Yeah.	10:17:20 16	A. Yeah. No. I mean for But it's
10:15:29 17	Q to healthcare workers in the developing	10:17:21 17	targeting, particularly, countries that have limited
10:15:31 18	world	10:17:24 18	resources, so it's not it's not an in-depth review,
10:15:32 19	A. Yeah.	10:17:28 19	it's really trying to focus as much as possible on the
10:15:33 20	Q countries by the end of 2008."	10:17:31 20	problems they face.
10:15:34 <b>21</b>	And by the way, you're missing a space in	10:17:32 <b>21</b>	Q. But you agree with everything in it;
10:15:36 <b>22</b>	your CV between "countries" and "by." You might want	10:17:34 <b>22</b>	correct?
10:15:38 <b>23</b>	to fix that.	10:17:36 <b>23</b>	<b>A.</b> Yes, I think so. I've read everything
10:15:39 <b>24</b>	MR. COREY GORDON: And "countries" is	10:17:37 <b>24</b>	that I have put there I pretty much have reviewed.
10:15:40 <b>25</b>	misspelled.	10:17:40 <b>25</b>	<b>Q.</b> You're the editor.
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10:17:41 <b>1</b>	<b>A.</b> Yeah.	10:32:24 <b>1</b>	there might be a signal out there, but I'm not aware
10:17:42 <b>2</b>	Q. Okay. And you're the first-named editor;	10:32:27 <b>2</b>	of any study that said if I took out Staph now
10:17:45 3	correct?	10:32:33 3	you're just talking about particles maybe, I'm sorry,
10:17:47 4	A. Most of the time there. With all this,	10:32:35 4	maybe I'm mixing this up but if I reduce particles
10:17:48 <b>5</b>	yeah.	10:32:39 <b>5</b>	that I would have fewer infection rates. I think
10:17:48 6	Q. I mean you were primari	10:32:43 6	that's what a lot of the laminar flow studies actually
10:17:49 7	A. I am now there.	10:32:47 7	showed didn't occur.
10:17:50 8	Q. But during this time you were primarily	10:32:52	Q. So I'm guessing your opinion
10:17:53	responsible for the book.	10:32:53	A. Yeah.
10:17:53 10	A. That's correct, yeah.	10:32:54 10	Q. Do you have an opinion whether or not the
10:17:54 11	Q. Okay. And I assume that you edited and	10:33:02 11	the number of particles over a surgical site have an
10:17:55 12	reviewed everything that was in in here.	10:33:07 12	effect on surgical-site infections?
10:17:56 13	<b>A.</b> I have, yeah.	10:33:13 13	<b>A.</b> So I guess I would say it this way. If I
10:17:58 13	Q. Okay. And if there's something that you	10:33:13 13	knew that there was a hundred percent sort of particle
10:17:58 14	disagree with it you would have objected to putting it	10:33:17 14	to bacteria, I'm more interested in bacteria than I am
		10:33:21 15	· · · · · · · · · · · · · · · · · · ·
10:18:02 16	in there.		particles. They're both surrogate markers for what
10:18:02 17	<b>A.</b> Yeah, or if you find something, I'll take it	10:33:30 17	really is going on. What we really want to know is
10:18:04 18	look at it.	10:33:33 18	what can we do to stop the endpoint, surgical-site
10:18:05 19	Q. Okay. And do you do you consider all	10:33:37 19	infections. And so then there are some studies that
10:18:09 20	your publications or papers authoritative?	10:33:39 20	have tried to say, if I have particles, you know, I
10:18:14 21	A. Well given my bias, which I've told you	10:33:43 21	have bacteria. Not all studies have really shown the
10:18:17 <b>22</b>	before,	10:33:47 <b>22</b>	same thing always, so there's some discrepancy between
10:18:17 23	Q. Okay.	10:33:51 23	the relationship of particles and bacteria. And
10:18:18 24	A I'd like to think so.	10:33:55 <b>24</b>	again, the second part of that is if you have bacteria
10:18:20 <b>25</b>	<b>Q.</b> Whether or not you were the advisor or the	10:34:00 <b>25</b>	and do they cause the infection.
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10:18:22 <b>1</b>	first-named author, you consider it authoritative.	10:34:03 <b>1</b>	Q. Okay. So my question is again, do you have
10:18:24 <b>2</b>	<b>A.</b> Yeah. I read I read the papers that I'm	10:34:06 <b>2</b>	an opinion do you have an opinion whether or not
10:18:26 3	involved in, yeah.	10:34:14 <b>3</b>	the number of particles over a surgical site have an
10:18:28 4	MR. ASSAAD: Let's take a break for the	10:34:18 4	effect on surgical-site infections; "yes" or "no"?
10:18:29 <b>5</b>	court reporter.	10:34:21 <b>5</b>	MR. COREY GORDON: Object to the form of
10:18:30 6		_	
	THE WITNESS: Okay.	10:34:22 6	the question, asked and answered.
10:18:30 7	THE WITNESS: Okay.  THE REPORTER: Thank you. Off the record.	10:34:22 <b>6</b> 10:34:23 <b>7</b>	the question, asked and answered. <b>A.</b> Yeah, I think what I'm trying to do is give
10:18:30 <b>7</b> 10:18:33 <b>8</b>	,	_	
0	THE REPORTER: Thank you. Off the record.	10:34:23 7	A. Yeah, I think what I'm trying to do is give
10:18:33	THE REPORTER: Thank you. Off the record. (Recess taken from 10:18 to 10:31 a.m.)	10:34:23 <b>7</b> 10:34:27 <b>8</b>	<b>A.</b> Yeah, I think what I'm trying to do is give you the best answer I can, you know,
10:18:33 <b>8</b> 10:31:02 <b>9</b>	THE REPORTER: Thank you. Off the record. (Recess taken from 10:18 to 10:31 a.m.) (Discussion off the stenographic record.)	10:34:23 <b>7</b> 10:34:27 <b>8</b> 10:34:28 <b>9</b>	A. Yeah, I think what I'm trying to do is give you the best answer I can, you know, Q. Well
10:18:33 <b>8</b> 10:31:02 <b>9</b> 10:31:02 <b>10</b>	THE REPORTER: Thank you. Off the record.  (Recess taken from 10:18 to 10:31 a.m.)  (Discussion off the stenographic record.)  BY MR. ASSAAD:  Q. You mention	10:34:23 <b>7</b> 10:34:27 <b>8</b> 10:34:28 <b>9</b> 10:34:29 <b>10</b>	A. Yeah, I think what I'm trying to do is give you the best answer I can, you know, Q. Well A that, you know, we don't have complete
10:18:33 <b>8</b> 10:31:02 <b>9</b> 10:31:02 <b>10</b> 10:31:11 <b>11</b> 10:31:12 <b>12</b>	THE REPORTER: Thank you. Off the record.  (Recess taken from 10:18 to 10:31 a.m.)  (Discussion off the stenographic record.)  BY MR. ASSAAD:  Q. You mention  We talked about particles briefly, in in	10:34:23 <b>7</b> 10:34:27 <b>8</b> 10:34:28 <b>9</b> 10:34:29 <b>10</b> 10:34:32 <b>11</b> 10:34:37 <b>12</b>	A. Yeah, I think what I'm trying to do is give you the best answer I can, you know, Q. Well A that, you know, we don't have complete data yet to really say that particles equal infections.
10:18:33 <b>8</b> 10:31:02 <b>9</b> 10:31:02 <b>10</b> 10:31:11 <b>11</b> 10:31:12 <b>12</b> 10:31:19 <b>13</b>	THE REPORTER: Thank you. Off the record.  (Recess taken from 10:18 to 10:31 a.m.)  (Discussion off the stenographic record.)  BY MR. ASSAAD:  Q. You mention  We talked about particles briefly, in in the operating room, and that they can carry bacteria.	10:34:23 <b>7</b> 10:34:27 <b>8</b> 10:34:28 <b>9</b> 10:34:29 <b>10</b> 10:34:32 <b>11</b>	A. Yeah, I think what I'm trying to do is give you the best answer I can, you know, Q. Well A that, you know, we don't have complete data yet to really say that particles equal infections. Q. Okay. So you're not saying that particles
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10:18:33 8 10:31:02 9 10:31:02 10 10:31:11 11 10:31:12 12 10:31:32 14 10:31:32 15 10:31:39 16 10:31:40 17 10:31:43 18 10:31:47 19 10:31:52 20 10:31:59 21 10:32:03 22 10:32:10 23 10:32:16 24	THE REPORTER: Thank you. Off the record.  (Recess taken from 10:18 to 10:31 a.m.)  (Discussion off the stenographic record.)  BY MR. ASSAAD:  Q. You mention  We talked about particles briefly, in in the operating room, and that they can carry bacteria.  Do you agree with me that the reduction of airborne particles in an operating room is beneficial?  MR. COREY GORDON: Object to the form of the question.  A. So I haven't seen any data to show the reduction in airborne particles actually reduces infection rates with maybe, you know, one exception, the Darouiche study that's more recent where he looked at particles in bacteria and he modeled particles in bacteria and said that they correlate, but he actually didn't show, in a prospective way, that they reduced	10:34:23	A. Yeah, I think what I'm trying to do is give you the best answer I can, you know, Q. Well A that, you know, we don't have complete data yet to really say that particles equal infections. Q. Okay. So you're not saying that particles do not equal infections, and you're not saying that particle increased particles increase infections, you're just saying that there's not enough data. A. Yes. Q. So my understanding is you don't have an opinion at this point in time whether or not the number of particles over a surgical site increase the risks of surgical-site infections.  MR. COREY GORDON: Object to the form of the question. A. I don't think there are data to say that if
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		77			79
10:35:05	infection		10:36:43		I mean, you understand that there is an HVAC
10:35:05 2	_	So you have no opinion at this time.	10:36:46 2		n the operating room; correct?
10:35:07 3	Α.	Well that's my opinion.	10:36:47 3	_	Yes.
10:35:09 4	Q.	Well your opinion is that there's no data.	10:36:47 4	Q.	And it's there are there are standards
10:35:11 <b>5</b>	Α.	Yeah. We need more data.	10:36:50 <b>5</b>		states regarding the type of filtration to be
10:35:13	Q.	Okay. So your opinion is you don't have an	10:36:54	used in a	an operating room.
10:35:16 7			10:36:55 7		MR. COREY GORDON: Object to the form of
10:35:16		Okay. Do you agree that if you increase the	10:36:57		tion and lack of foundation.
10:35:19		of particles you increase the risk of	10:36:58		I I think there are standards.
10:35:21 10	surgical-	site infection?	10:37:00 10	Q.	Have you heard of ASHRAE?
10:35:22 11		MR. COREY GORDON: Object to the form of	10:37:01 11	Α.	Yes.
10:35:22 12	the ques		10:37:02 12	Q.	Okay. And you understand for an operating
10:35:27 13		Yeah, I don't think I don't think there	10:37:05 13		ost operating rooms contain two filters?
10:35:28 14		that really show that, so.	10:37:08 14		Yeah, I think they're MERV 14 or something
10:35:29 15	_	So you don't agree with that.	10:37:11 15	like that.	
10:35:31 16	Α.	Yeah.	10:37:11 16		It's a MERV 7 for the prefilter and the MERV
10:35:32 17		So you don't agree with that.	10:37:14 17	14 for th	e final filter. Do you
10:35:33 18		I don't agree with it.	10:37:16 18	_	Have you heard that before?
10:35:35 19		Do you agree that you if you reduce the	10:37:18 19	_	I've heard the 14.
10:35:36 <b>20</b>		s of particles you decrease the risk of	10:37:19 <b>20</b>	Q.	Okay. And you understand the purpose of
10:35:39 <b>21</b>	_	site infection?	10:37:20 <b>21</b>		reduce the number of airborne contaminants
10:35:39 <b>22</b>		And again I've cited the studies from the	10:37:26 <b>22</b>		erating room; correct?
10:35:42 23		airflow would clearly reduce the number of	10:37:26 23		Yes.
10:35:44 <b>24</b>	-	, didn't reduce the number of infections.	10:37:27 <b>24</b>		Okay. And you agree with that; correct?
10:35:46 <b>25</b>	Q.	So you don't agree with that.	10:37:29 <b>25</b>	Α.	I do.
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10:35:48	A.	That's right.	10:37:44 <b>1</b>	Q.	Okay. And you understand that in an
10:35:48 <b>2</b>	Q.	Okay. So you don't agree that if you reduce	10:37:46 <b>2</b>	operating	g room they control for humidity to limit the
10:35:50 <b>3</b>	the num	ber of particles over the surgical site, you	10:37:49 <b>3</b>	amount	of bacterial growth.
10:36:00 4	don't red	duce you don't reduce the	10:37:51 4		MR. COREY GORDON: Object to the form of
10:36:00 <b>5</b>	A.	Yeah, I think we have firm evidence on that.	10:37:52 <b>5</b>	the ques	tion.
10:36:00 <b>6</b>		(Interruption by the reporter.)	10:37:52 6	A.	Yeah, I don't know the relationship to
10:35:49 <b>7</b>		THE REPORTER: So you don't agree that if	10:37:54 <b>7</b>	humidity	
10:35:50	you redu	ice the number of particles over the surgical	10:37:55	Q.	Okay. So you're not you don't you
10:35:50	site?		10:37:57 9	have dor	ne no research or have no understanding how
10:36:02 10	Q.	you reduce the risk of surgical-site	10:37:59 10	humidity	affects bacterial growth?
10:36:03 11	infection		10:38:01 11	_	True.
10:36:04 12		Yeah. The only signal that I would even	10:38:03 12	Q.	Okay. And you're not an expert in
10:36:06 13	•	would be Darouiche.	10:38:04 13		; correct?
10:36:09 14		Do you consider Darouiche an expert?	10:38:06 14		No, only in the sense I don't want to
10:36:12 15		I think he's done really good work, yeah.	10:38:10 15	-	ely if you're talking about all filters and
10:36:14 16		k he's good.	10:38:13 16	_	to do with infectious diseases, where they
10:36:15 17		So you consider him an expert?	10:38:15 17		I think I can make an opinion. But no, I'm
40		Yeah.	10:38:18 18		xpert just in filters.
10:36:17 18		Vou do undorstand that boss!!-!	1 10:38:21 1 9	Ų.	You agree that the cleanest air that's
10:36:30 19	Q.	You do understand that hospitals spend a			_
10:36:30 <b>19</b> 10:36:35 <b>20</b>	<b>Q.</b> significa	nt amount of money to reduce the particle	10:38:28 <b>20</b>	coming i	nto the operating room is coming through the
10:36:30 <b>19</b> 10:36:35 <b>20</b> 10:36:38 <b>21</b>	<b>Q.</b> significa	nt amount of money to reduce the particle in operating room.	10:38:28 <b>20</b> 10:38:30 <b>21</b>		nto the operating room is coming through the
10:36:30 <b>19</b> 10:36:35 <b>20</b> 10:36:38 <b>21</b> 10:36:40 <b>22</b>	<b>Q.</b> significa load in a	nt amount of money to reduce the particle on operating room. MR. COREY GORDON: Object to the form of	10:38:28 <b>20</b> 10:38:30 <b>21</b> 10:38:32 <b>22</b>	coming i vents.	nto the operating room is coming through the  MR. COREY GORDON: Object Object to the
10:36:30 19 10:36:35 20 10:36:38 21 10:36:40 22 10:36:42 23	Q. significa load in a the ques	nt amount of money to reduce the particle in operating room.  MR. COREY GORDON: Object to the form of stion.	10:38:28     20       10:38:30     21       10:38:32     22       10:38:34     23	coming i vents.	MR. COREY GORDON: Object Object to the che question, and lack of foundation.
10:36:30 19 10:36:35 20 10:36:38 21 10:36:40 22 10:36:42 23 10:36:42 24	Q. significa load in a the ques	nt amount of money to reduce the particle in operating room.  MR. COREY GORDON: Object to the form of stion.  Say that again if you would.	10:38:28 <b>20</b> 10:38:30 <b>21</b> 10:38:32 <b>22</b> 10:38:34 <b>23</b> 10:38:35 <b>24</b>	coming i vents.	MR. COREY GORDON: Object Object to the the question, and lack of foundation.  You mean the filtered air is cleaner than
10:36:30 19 10:36:35 20 10:36:38 21 10:36:40 22 10:36:42 23	Q. significa load in a the ques	nt amount of money to reduce the particle in operating room.  MR. COREY GORDON: Object to the form of stion.  Say that again if you would.  Hos	10:38:28     20       10:38:30     21       10:38:32     22       10:38:34     23	coming i vents.	MR. COREY GORDON: Object Object to the che question, and lack of foundation.  You mean the filtered air is cleaner than the ere else?
10:36:30 19 10:36:35 20 10:36:38 21 10:36:40 22 10:36:42 23 10:36:42 24	Q. significa load in a the quest A. Q.	nt amount of money to reduce the particle in operating room.  MR. COREY GORDON: Object to the form of stion.  Say that again if you would.	10:38:28 <b>20</b> 10:38:30 <b>21</b> 10:38:32 <b>22</b> 10:38:34 <b>23</b> 10:38:35 <b>24</b>	coming i vents.  form of t A. somewho	MR. COREY GORDON: Object Object to the the question, and lack of foundation.  You mean the filtered air is cleaner than

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:38:38 1	Q.	Yes.	10:40:18	<b>Q.</b> There is probably two or three people
:38:38 2	A.	Yeah.	10:40:20 2	performing the surgery in an orthopedic surgery;
:38:40 3	Q.	Where do you think the greatest bioburden is	10:40:22 3	correct?
38:42 4		erating room?	10:40:22 4	A. Yes.
:38:46 <b>5</b>	Α.	I just saw a bioluminescence study that says	10:40:23 <b>5</b>	Q. And there is an anesthesiologist; correct?
38:49 6		of the table, I think, in one study. And I'm	10:40:25 6	<b>A.</b> Yes, there is.
:38:54 <b>7</b>		kpert in where the greatest bioburden is, but	10:40:26 7	Q. And they are shedding skin squames; correct
:38:58		the recent study that looked like that.	10:40:30	A. Yeah. People who have studied that said
39:00		Side of the surgical table?	10:40:32	yeah.
39:02 10		And the computer, actually, was very was	10:40:33 10	<b>Q.</b> Do you disagree with that?
39:05 11		n numbers.	10:40:34	A. No.
39:06 12	-	But the computer is outside of the the	10:40:35 12	Q. Okay. And therefore, you would agree with
9:08 13		eld; correct?	10:40:38 13	me that the airflow is pushing down the skin squames
9:10 14		It's	10:40:38 13	to the floor area; correct?
	Λ.		10:40:43	
39:10 15	the gues	MR. COREY GORDON: Object to the form of		MR. COREY GORDON: Object to the form of
16 19:11	the ques		10:40:45 16	the question, lack of foundation.
39:11 17		outside the sterile field.	10:40:46 17	<b>A.</b> Well I don't know that the airflow is only
39:12 18	_	It's behind the surgeons actually; correct?	10:40:48 18	pushing things down to the floor. I don't know that.
9:14 19	Α.	Yeah.	10:40:50 19	Q. Okay. So sitting here today you don't know
9:15 <b>20</b>	Q.	Do you agree that there is a significant	10:40:53 <b>20</b>	where the greatest bio like where the greatest
9:19 <b>21</b>		of bioburden around the surgical table and	10:40:56 <b>21</b>	bioburden is in the operating room, in the air of the
9:21 <b>22</b>	underne	ath the surgical table?	10:40:58 <b>22</b>	operating room?
9:23 23		MR. COREY GORDON: Object to the form of	10:40:58 23	<b>A.</b> No,
9:23 <b>24</b>	the ques	tion.	10:40:58 <b>24</b>	MR. COREY GORDON: Object to the form of
9:24 <b>25</b>	A.	So in that one study that I saw with the	10:40:59 <b>25</b>	the question.
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39:27 <b>1</b>	biolumin	escence is the only data that I know about	10:40:59 <b>1</b>	<b>A.</b> the only study is the one I cited.
9:30 <b>2</b>	burden.		10:41:02 <b>2</b>	<b>Q.</b> Okay.
9:31 3	Q.	Okay. So you only rely on literature and	10:41:03	A. And you know what I'm talking about,
9:33 4	not on a	ny type of scientific reasoning that you could	10:41:04 4	Richard?
9:39 <b>5</b>	draw fro	n that literature?	10:41:05 <b>5</b>	Q. Yes.
9:40 6		MR. COREY GORDON: Object to the form of	10:41:05 6	A. Yeah.
9:41 7	the ques	tion.	10:41:07 7	Q. Now you do understand that the surgeons ar
9:44 8		So I'm not sure of the difference. I mean I	10:41:20 8	the staff in the operating room are trained not to put
9:47		ve said the literature You read the data,	10:41:23	their hands below the operating room table.
9:50 10		you interpret the data based on maybe a host	10:41:26 10	<b>A.</b> I think that's right.
9:54 11		studies, and together you come up with an	10:41:27 11	Q. Why is that?
9:54 11	opinion.	station, and together you come up with all	10:41:27 11	<b>A.</b> I think that they just try to keep things
9:57 1 <b>2</b> 9:58 <b>13</b>		I understand that. But sometimes you want	10:41:32 12	right near the field, that's my I'm guessing a
9:58 1 <b>3</b> 0:00 <b>14</b>		earch and you'll have a hypothesis; correct?	10:41:34 13	little bit on that, but.
0:00 14	_	Yeah. I'm not sure how that relates to the	10:41:36 14	<b>Q.</b> So as an infectious disease person you don't
0:05 16	earlier q		10:41:42 16	understand why they they want to keep their hands
0:07 17		Well I'm saying, like, well you know that	10:41:43 17	they're trained to keep their hands always above
0:09 18		oming out of the vents is filtered air;	10:41:45 18	the operating room table?
0:11 19	correct?	V	10:41:46 19	<b>A.</b> Well I think they don't want to touch the
0:11 20		Yes.	10:41:49 20	side of the table.
0:12 21		And you know that there is many people in	10:41:50 21	Q. Yeah, but they're not evened allowed to put
0:14 <b>22</b>	-	ating room around the surgical table; correct?	10:41:52 <b>22</b>	their hands down, and not touch anything.
0:16 23		Yeah. Yeah.	10:41:54 23	MR. COREY GORDON: Object to the form of
	Q.	There is the patient; correct?	10:41:55 <b>24</b>	the question.
10:16 <b>24</b>		Yeah.	10:41:55 25	Q. Do you agree with that?
	A.	Tedii.	10:41:55	Q. Do you agree with that?
40:16 <b>24</b> 40:18 <b>25</b>	A.	STIREWALT & ASSOCIATES	10:41:55 23	STIREWALT & ASSOCIATES

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10.41:59 <b>1 A.</b> Yeah, I don't I can't say I've seen rules	10:44:07	A. Yes.
10:41:59 <b>2</b> for that or anything, and you may be right.	10:44:08 2	Q. Okay. It wasn't perioperative warming.
10:42:01 <b>3 Q.</b> Okay. So you don't know you don't you	10:44:10 3	<b>A.</b> That's correct.
10:42:05 <b>4</b> haven't read any literature on or strike that.	10:44:11 4	Q. Okay. And I'm sure you're aware of studies
10.42:06 <b>5</b> You haven't looked at procedures or been	10:44:13 5	that recent studies done by Dr. Sessler and others,
• The second sec	10:44:18 6	that forced-air warming has very little effect on core
A Address the best district best de-	_	temperature for the first hour when you're warming
	_	
		perioperatively.
9 surgeons to keep their hands above the operating room	10:44:28 9	MR. COREY GORDON: Object to the form of
table to avoid for their hands to be contaminated.	10:44:29 10	the question.
10:42:19 <b>11 A.</b> I didn't do any research on that, I haven't	10:44:30 11	<b>A.</b> Yeah, I don't I don't know that it has no
10:42:21 12	10:44:32 12	effect or very little effect in the first hour.
10:42:21 <b>13 Q.</b> Okay.	10:44:36 13	Q. Well you're aware of those studies; correct?
10:42:22 <b>14 A.</b> seen it.	10:44:38 14	A. I remember hearing
10.42:23 <b>15 Q.</b> By the way, before getting involved in this	10:44:38 15	MR. COREY GORDON: Object to the form of
10:42:26 <b>16</b> case did you do did you know anything about the	10:44:39 16	the question.
10:42:27 <b>17</b> Bair Hugger?	10:44:39 17	<b>A.</b> about but I just can't cite them.
10:42:29 <b>18 A.</b> The only thing I knew was the Kurz study was	10:44:41 18	Q. Okay. So you're not going to I mean
10:42:35 <b>19</b> pretty much it.	10:44:45 19	Well you understand that Kurz was 1996;
10.42:36 <b>20 Q.</b> The 1996 New England Journal of Medicine?	10:44:48 <b>20</b>	correct?
10:42:39 <b>21 A.</b> That's right.	10:44:49 <b>21</b>	<b>A.</b> It was 1996.
10:42:39 <b>22 Q.</b> Okay.	10:44:50 <b>22</b>	Q. And you understand that Kurz actively cooled
10:42:40 <b>23 A.</b> I may have read Melling, but, you know, I	10:44:53 23	patients for the control.
10:42:43 <b>24</b> just remember the Kurz study.	10:44:55 <b>24</b>	MR. COREY GORDON: Object to the form of
10:42:45 <b>25 Q.</b> Do you know what the difference between the	10:44:55 <b>25</b>	the question.
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10:42:46 <b>1</b> Melling study and the Kurz study is?	10:44:55	<b>A.</b> Kept them at ambient air, yes.
10:42:48 <b>2 A.</b> I do.	10:44:58 2	Q. Well they didn't keep them am They blew
10:42:48 <b>3 Q.</b> What's the difference?	10:45:01 3	ambient air
10:42:50 <b>4 A.</b> Well in the Kurz study the authors	10:45:01 4	A. Blew ambient air,
10:42:55 <b>5</b> randomized 200 patients who were undergoing colorectal	10:45:01 <b>5</b>	Q which would be
10:42:59 <b>6</b> surgery to warm air with the Bair Hugger, to ambient	10:45:03	A hooked them up ambient air.
10:43:06 <b>7</b> air, it was double blind study as a result of the	10:45:04 7	Q. Which would be a cooling effect on a
10:43:09 <b>8</b> using the ambient air, and the outcome was	10:45:06	patient; correct?
10.43:13 <b>9</b> surgical-site infections. I'm not sure if you want to	10:45:06 9	A. Yes.
10.43:16 <b>10</b> know any more about that.	10:45:07 10	Q. Okay. That would be unethical today;
10.43:19 <b>11</b> Melling, which was published in 2001,	10:45:07 10	correct?
• • • • • • • • • • • • • • • • • • • •		_
actually took patients who were expected to have a	10:45:09 12	A. Every With the effect of warming,
10:43:29 <b>13</b> surgical time of about 50 minutes or less	10:45:11 13	particularly warming a surgical-site infections,
10:43:33 <b>14</b> (Interruption by the reporter.)	10:45:14 14	nobody should go to the operating room without being
10:43:34 <b>15</b> THE WITNESS: Fifty, five-oh.	10:45:16 15	warmed.
10.43:34 <b>16 A.</b> they were clean surgery, there were 421	10:45:17 16	Q. But you would you agree you wouldn't be
10:43:39 <b>17</b> patients who were randomized. What was different was	10:45:18 17	able to do a study and cool patients today.
10:43:43 <b>18</b> that they pre-warmed the patients for 30 minutes or	10:45:21 18	A. No, no. That's what I'm saying.
10:43:47 <b>19</b> more, and And again, just like the Melling, they	10:45:21 19	Q. You could be
showed a 3-to-1 ratio, three times the risk of	10:45:22 <b>20</b>	<b>A.</b> They have to be warm.
O4 infantion in the constitution of	10:45:24 <b>21</b>	Q. Okay. And And Melling was pre-warming;
10:43:54 <b>21</b> infection in the warmed patients versus the non-warmed	1	correct?
infection in the warmed patients versus the non-warmed patients. And I want to point out the consistency of	10:45:27 <b>22</b>	
	10:45:27 <b>22</b> 10:45:28 <b>23</b>	<b>A.</b> Melling was pre-warming. But there are data
10:43:57 <b>22</b> patients. And I want to point out the consistency of		<b>A.</b> Melling was pre-warming. But there are data to show that the pre-warming actually last up to three
patients. And I want to point out the consistency of that 3-to-1 ratio.  Q. Okay. So you do understand that Melling was	10:45:28 23	to show that the pre-warming actually last up to three
patients. And I want to point out the consistency of that 3-to-1 ratio.  Q. Okay. So you do understand that Melling was	10:45:28 <b>23</b> 10:45:30 <b>24</b>	
patients. And I want to point out the consistency of that 3-to-1 ratio.  Q. Okay. So you do understand that Melling was pre-warming; correct?	10:45:28 <b>23</b> 10:45:30 <b>24</b>	to show that the pre-warming actually last up to three hours. I've cited that in my report.

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10:45:34	Q. Okay. And that's a good thing; correct?	10:47:53 <b>1</b>	knee.
10:45:36 <b>2</b>	<b>A.</b> I think it's a good thing.	10:47:53 <b>2</b>	A. I don't remember. I think that's probably
10:45:37 <b>3</b>	<b>Q.</b> So you would agree with me that, for	10:47:54 <b>3</b>	right, but I don't remember.
10:45:40 4	example, total hip and total knee arthroplasty, that	10:47:55 <b>4</b>	Q. Okay. And basically there was four out of
10:45:45 <b>5</b>	you could just pre-warm a patient because its effects	10:48:00 <b>5</b>	109 that were hypothermic, and three out of 306 that
10:45:48 <b>6</b>	are for three hours and most of the surgeries last	10:48:07 <b>6</b>	were normothermic; correct?
10:45:50 <b>7</b>	below three hours.	10:48:08 7	A. Yeah, I don't have it in front of me.
10:45:51 <b>8</b>	A. I don't know anybody	10:48:10 <b>8</b>	<b>Q.</b> Okay.
10:45:51 <b>9</b>	MR. COREY GORDON: Object to the form of	10:48:10 9	A. But I've said seven I have in the chart
10:45:51 10	the question.	10:48:13 10	27 percent total.
10:45:56 11	THE WITNESS: I'm sorry. I didn't mean to	10:48:14 11	Q. Okay. And
10:45:56 12	interrupt, Corey.	10:48:18 12	<b>A.</b> And nobody, by the way, with that .06 is
10:45:57 13	A. I don't know anybody who's totally done	10:48:22 13	going to discard that. If you were having hip surgery
10:45:59 14	pre-warming with total hips and knees, if that's what	10:48:25 14	and you were in Holland and you and I'm telling you
10:46:02 15	you're asking.	10:48:27 15	you have three times the risk plus if you weren't
10:46:03 16	Q. You agree with me that there's no study out	10:48:30 16	warmed, are you going to argue with me as a patient
10:46:05 17	there that that looked at the the effects of	10:48:33 17	say the P was only .06? I don't think so.
10:46:10 18	warming a patient and periprosthetic joint infection.	10:48:36 18	<b>Q.</b> You agree with me that all the patients were
10:46:12 19	<b>A.</b> That's not quite accurate, because what I've	10:48:38 19	warmed with the Bair Hugger in that study.
10:46:14 <b>20</b>	done is show some cohort studies, if you want to refer	10:48:40 <b>20</b>	<b>A.</b> They were Bair Hugger.
10:46:19 <b>21</b>	to those in my report.	10:48:40 <b>21</b>	<b>Q.</b> And all of them were warmed; correct?
10:46:20 <b>22</b>	<b>Q.</b> Can you just give me the name of the study?	10:48:43 22	<b>A.</b> Did you say all of them were warmed?
10:46:23 23	<b>A.</b> So the	10:48:44 23	Q. I mean they all were warmed with the Bair
10:46:24 <b>24</b>	Well the first was I have a chart	10:48:47 <b>24</b>	Hugger device.
10:46:26 <b>25</b>	actually in my report. On the top of the chart it	10:48:47 <b>25</b>	<b>A.</b> That was the As far as I understand,
10:10:20	STIREWALT & ASSOCIATES	10.10.11	STIREWALT & ASSOCIATES
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10:46:29	will say there's a study from Hopkins, there were fi	10:48:48 1	yeah.
10:46:34 <b>2</b>	I think I had six five or six cohorts. There	10:48:49 2	<b>Q.</b> And so basically for a significant number of
10:46:39 <b>3</b>	was a second study that was done by Leijtens in	10:48:52 3	them that were warmed with the Bair Hugger, they still
10:46:43 4	Denmark, and that was total hips and total knees.	10:48:54	became hypothermic; correct?
10:46:48 <b>5</b>	Q. Which is the chart you're referring to?	10:48:57 <b>5</b>	A. That's correct.
10:46:52	A. Is this my report? Yeah. (Witness	10:48:58 6	
-	, ,	10:48:58	Q. Okay. So that might indicate that there
10:46:58	reviewing exhibit.) So page 8. So let's look at	_	,
	reviewing exhibit.) So page 8. So let's look at under number 2, this was by Leijtens, it was done in	10:49:00 7	might be something else besides warming a patient that
_	under number 2, this was by Leijtens, it was done in	10:49:00 7	
10:47:04 <b>8</b> 10:47:11 <b>9</b>	under number 2, this was by Leijtens, it was done in Holland, total hips and knees. And what they show	10:49:00 <b>7</b> 10:49:03 <b>8</b>	might be something else besides warming a patient that affects hypothermia.
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10.47:04 8 10.47:11 9 10.47:11 10 10.47:17 11 10.47:21 12 10.47:24 13 10.47:30 14 10.47:31 16 10.47:31 17 10.47:41 18 10.47:41 18 10.47:42 11 10.47:44 20 10.47:44 21 10.47:48 22 10.47:48 23 10.47:49 24	under number 2, this was by Leijtens, it was done in Holland, total hips and knees. And what they show They These people addressed the question, to put it in perspective, if patients were warmed or you know, during the operation compared to those who remained hypothermic, was there a difference. And as you can see, there is a risk ratio of being cool of 3.7. And I would point out again that if you look at Melling or you look at Kurz, it's about three times the risk of infections  Q. But the P value A if you're cool. Q. P value is .061; correct?  (Interruption by the reporter.) A061.  THE WITNESS: I'm sorry. Q. And you agree with me that the only	10.49.00 7 10.49.03 8 10.49.05 9 10.49.06 10 10.49.09 11 10.49.11 12 10.49.12 13 10.49.13 14 10.49.15 16 10.49.17 17 10.49.19 18 10.49.20 19 10.49.20 20 10.49.27 21 10.49.27 22 10.49.28 23 10.49.29 24	might be something else besides warming a patient that affects hypothermia.  MR. COREY GORDON: Object to the form of the question, lack of foundation.  A. Say that again to make sure I follow you.  Q. Well they were all warmed with the Bair Hugger; correct?  A. They were. They were.  Q. And even though you were warmed with the Bair Hugger, a significant amount of patients, 27 percent, became hypothermic; correct?  A. That's correct.  Q. Okay. So it is possible that there's something else besides warming that caused hypothermia.  MR. COREY GORDON: Object to the form of the question.  Q. That's a bad question.

CASE 0:15-md-02666-JNE-DTS Doc CONFIDENTIAL - SUBJECT TO PROTECTIVE ORDER	823-7 Filed 09/12/17 Page 26 of 95 CONFIDENTIAL - SUBJECT TO PROTECTIVE ORDER
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10:49:33 <b>1</b> they were warmed.	10:51:11 <b>1</b> doesn't have any relevance to
10:49:34 <b>2 A.</b> That's easier to answer, yeah. And I have	10:51:13 <b>2 Q.</b> Well let's look at being warmed and not
10:49:36 <b>3</b> the the 27 percent. That's the figure I reported.	10.51:16 <b>3</b> being warmed,
10:49:38 <b>4 Q.</b> So you weren't comparing the use of Bair	10.51:16 <b>4 A.</b> Yeah.
10:49:41 <b>5</b> Hugger versus the non-use of Bair Hugger with respect	10:51:17 <b>5 Q.</b> okay? And that's number 5; correct?
10.49.44 <b>6</b> to infection rates in that study; correct?	10.51:19 <b>6 A.</b> Yes.
10.49.46 <b>7 A.</b> Only the endpoint, whether you were warmed	10.51:20 <b>7 Q.</b> Which is the Frisch study; correct?
10.49.49 <b>8</b> with the Bair Hugger versus not warmed.	10.51:21 <b>8 A.</b> Yeah. That's right.
10.49.51 <b>9 Q.</b> So you could have been warmed with a a	10.51:22 <b>9 Q.</b> And the Frisch study said, hey, it doesn't
10.49:55 <b>10</b> convective blanket in that case; correct?	10.51:24 <b>10</b> matter if you're being warmed because 1 percent got
10.49:59 <b>11 A.</b> They weren't, but if you're asking me as	10.51:24 10 infacter if you were warmed and 1 percent got infections if you were warmed and 1 percent didn't get
10.50:01 <b>12</b> long as the patient's warmed, do you think they'll do	10.51:29 <b>12</b> it if you weren't warmed; correct?
	10:51:30 <b>13 A.</b> So I put that study in to let you know that
•	
10:50:04 <b>15 A.</b> That hasn't been done. I'd love to see a	10.51:32 <b>15 Q.</b> You disagree with it.
10.50.07 <b>16</b> HotDog versus the Bair Hugger studied.	10.51:34 <b>16 A.</b> I looked at all literature and didn't
10:50:09 17 Q. You've never seen that?	10.51:36 17 just cherry-pick anything.
10:50:11 <b>18 A.</b> Oh. Never seen a straightforward,	Now if I want to look at that study, let's
10:50:14 <b>19</b> randomized controlled trial of one versus the other,	10.51:40 <b>19</b> talk about it. Look at the high proportion, for some
10:50:16 <b>20</b> no.	10.51:43 <b>20</b> reason, that never that got cool, 43, thirty 44
10:50:17 <b>21 Q.</b> Okay. You've never seen a study that was	10.51:48 <b>21</b> and 33 percent. And there are a couple other weird
10.50:20 <b>22</b> authored by one of the authors was Andrea Kurz on	things. The follow-up was six weeks. So really hard
10:50:22 <b>23</b> that study? That wasn't provided to you by the	10:51:55 <b>23</b> to pick up a lot of deep infections in six weeks.
10:50:25 <b>24</b> defense?	10:51:58 <b>24</b> They didn't regulate the temperature in that study in
10.50:26 <b>25 A.</b> That was the first study you mean?	10:52:02 <b>25</b> the operating room, as you know. And they did
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10.50:27 <b>1 Q.</b> No. A study with Andrea Kurz and a few	1 something strange. They said, if you were giving
10:50:29 <b>2</b> and Kimberger?	logical anesthesia they didn't warm the patients
10:50:30 <b>A.</b> Tell me about this study.	unless the patients became hypothermic.
Q. Where they compared the HotDog to the the	So a lot of weird things about that study.
10:50:35 <b>5</b> the HotDog to the Bair Hugger to see whether or not	10.52:18 <b>5</b> But the data, I'm trying to tell you, I didn't try to
10:50:38 6	6 hide anything, I put it in there.
10.50:38 <b>7 A.</b> In a prospective clinical trial? I don't	10.52.23 <b>7 Q.</b> But we're seeing 44 percent were
10:50:41 <b>8</b> remember that study.	10.52.27 <b>8</b> hypothermic.
10.50.42 <b>9 Q.</b> Do you only count prospective clinical	10.52.27 <b>9 A.</b> Yeah.
10.50:44 <b>10</b> trials?	10.5228 <b>10 Q.</b> Okay. And And Of total hip, and 33
10:50:45 <b>11 A.</b> Well in the hierarchy of quality of	10.52:34 <b>11</b> percent were hypothermic for total knee; correct?
evidence, to me that's number one.	10:52:39 <b>12 A.</b> That's right.
10:50:49 <b>13 Q.</b> Some people disagree with that, though;	10:52:39 <b>13 Q.</b> Okay. And you saw no difference in
10:50:50 <b>14</b> correct?	10:52:41 <b>14</b> infection.
10:50:51 <b>15 A.</b> Some might.	10:52:41 <b>15 A.</b> That's correct.
10:50:52 <b>16 Q.</b> Okay. And then we could eliminate number 1,	10.52.42 <b>16 Q.</b> Okay. And that was 2017; correct?
10:50:55 <b>17</b> number 3, and number and number 4 because they	10:52:44 <b>17 A.</b> That's right.
10.50.57 <b>18</b> didn't deal with total hip and total knee; correct?	10.52:44 <b>18 Q.</b> And out of all the studies dealing with
10.50:59 <b>19 A.</b> Well I don't think I would	10.52.47 <b>19</b> total hip and total knee that you've listed, that had
MR. COREY GORDON: Object to the form of	10.52.49 <b>20</b> the highest number of participants.
10.51:01 <b>21</b> the question.	A. Don't remember the numbers, but maybe.
10:51:02 <b>22 A.</b> Yeah. I don't think I would eliminate	10.52:56 <b>22 Q.</b> You have it right here under number of
10:51:03 <b>23</b> number 4 either, because I think they were they	10:52:57 <b>23</b> patients.
10:51:06 <b>24</b> were orthopedic patients with hip fractures. I don't	A. Oh, okay. I see what you're saying.
1	
10.51:08 <b>25</b> think that I would say positively they wou that	10:52:59 <b>25 Q.</b> You have 600 and
10.51:08 <b>25</b> think that I would say positively they wou that STIREWALT & ASSOCIATES	10.52.59 <b>25 Q.</b> You have 600 and STIREWALT & ASSOCIATES

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CON	FIDENTIAL - SUBJECT TO PROTECTIVE ORDER	1020 1		CONFIDENTIAL - SUBJECT TO PROTECTIVE ORDER
4 ^	97 Vanh			99
	Yeah.		1 2 ".	There's a debate going on as to whether or
	Okay. You have 2,397; correct? Yeah. Of the hips and anything to do with			ot these patients should all be screened by their ral surgeons or not beforehand because it's a worry.
4			<b>3</b> 01	<b>Q.</b> Okay. And since you believe that the most
· · · · · · · · · · · · · · · · · · ·	And you said a study of only looking at six			kely cause of a surgical-site infection is patient
	I not pick up deep joint infections?			ora, then you would agree with me that the
	Might miss a lot of them.			kelihood that the anesthesia machine caused a
_	Okay. Because they may they may occur			rgical-site infection is very low.
	after; correct?		9	MR. COREY GORDON: Object to the form of
•	Could be, but at least out three months. I	10:55:43		e question.
	w why you wouldn't do that.	10:55:44		<b>A.</b> In general I think that's true.
	I mean some of them even occur two years;	10:55:47	_	Q. Okay.
10:53:23 <b>13</b> correct?	i mean some of them even occur two years,	10:55:48		A. Would there be an exception, an outbreak or
_	Some people show up two years later. It's	10:55:48		omething like that where something happened? Yeah.
	ard to know, you know, did they have an	10:55:51		ut that's what I would say in general, yes, I think
•	intermittent bloodstream infection, but out	10:55:51		s low.
10:53:30 <b>16</b> Interim		10:55:53 <b>1</b>	_	<b>Q.</b> We're talking probabilities here.
•	 (Interruption by the reporter.)	10:55:54 <b>1</b>		A. Yeah. No, I'm with you.
	intermittent bloodstream infection that	10:55:55	_	<b>Q.</b> And you agree with me that the probability
	the device.	10:55:57	_	
	And And there are there are some case	10:55:59 <b>2</b> 10:56:03 <b>2</b>		at a surgical light causes a surgical-site infection
	and And there are there are some case  It there that indicate that they could have	10:56:03 <b>2</b>		very low.  (Interruption by the reporter.)
	-	10:56:05 2		
	me up and be five years later if there's no	10:56:05 2		<b>A.</b> Yeah, I don't think I've seen any studies elated to that.
	nt infection. They trace it back to the	10:56:08 2		<b>Q.</b> And you'd agree with me that comput the
10:53:48 <b>25</b> implant s	STIREWALT & ASSOCIATES	10:56:08	J	STIREWALT & ASSOCIATES
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001	98			100
10:53:48 <b>1 A.</b>	I've heard that there are case reports like	10:56:11	<b>1</b> lik	kelihood that computer monitors cause a
	n. I can't cite any.	10:56:13		irgical-site infection, or the fans in them cause a
•	But you've heard of it; right?	10:56:16		urgical-site infection is very low.
	Yeah.		4	<b>A.</b> Yeah. I haven't seen any data linking them.
10:53:54 <b>5 Q.</b>	And you don't disagree with it.		5	Q. Okay. And you agree with me that the
	If it's a real report, it's a real report,	10:56:26	<b>6</b> co	omputer console and the equipment in them, the
	at happened.	10:56:29		kelihood of them causing a surgical-site infection
	And And	10:56:31		very low.
10:53:59 <b>9 A.</b>	But what I'm saying is some it's really	10:56:33	9	A. And again I can't cite any papers that link
	clinician, facing those patients, was that	10:56:35		iem, yeah.
	fected at the time of surgery, just so we're	10:56:36		Q. So you agree with me.
•	lid they went to the dentist, they have	10:56:37		A. Yeah.
	eeth, they had a you know, some	10:56:37		Q. Okay. You agree with me that the
	ion in the mouth and they got a secondary	10:56:41		ectrocautery device itself has a very low likelihood
· · · · · · · · · · · · · · · · · · ·	ia and they settled on the prosthesis. Five	10:56:49		causing a surgical-site infection.
	you can't tell.	10:56:52		<b>A.</b> Based on not having any data, yeah.
	Well you know that secondary bacterium	10:56:54		Q. So you agree with me.
	under a lot of dispute.	10:56:55	_	You agree with me that a bovie is very
	It might be under dispute, but I'm telling	10:57:01		nlikely to cause a surgical-site infection.
	clinician standing in front of the patient.	10:57:03		MR. COREY GORDON: Object to the form of
10:54:24 <b>20</b> You as a	Okay. I understand that, but it's not	10:57:04 2		e question, also I guess that's asked and answered.
	,	10:57:07 2		<b>A.</b> I just Yeah, I just don't know any data
10:54:28 <b>21 Q.</b>	nether or not secondary bacterium from the			
10:54:28 <b>21 Q.</b> 10:54:31 <b>22</b> settled wh	nether or not secondary bacterium from the uses a periprosthetic joint infection. You've		3 w	
10:54:28 <b>21 Q.</b> 10:54:31 <b>22</b> settled wl 10:54:35 <b>23</b> mouth ca	uses a periprosthetic joint infection. You've	10:57:09 2		ith the bovie or the knife or
10:54:28 <b>21 Q.</b> 10:54:31 <b>22</b> settled wl 10:54:35 <b>23</b> mouth ca 10:54:39 <b>24</b> read artic	uses a periprosthetic joint infection. You've les	10:57:09 <b>2</b> 0	4	ith the bovie or the knife or  Q. You agree with me that sterile surgical
10:54:28 <b>21 Q.</b> 10:54:31 <b>22</b> settled wl 10:54:35 <b>23</b> mouth ca 10:54:39 <b>24</b> read artic	uses a periprosthetic joint infection. You've les That's the deba	10:57:09 2	4	ith the bovie or the knife or  Q. You agree with me that sterile surgical rapes are very unlikely to cause a surgical-site
10:54:28 21 Q. 10:54:31 22 settled wl 10:54:35 23 mouth ca 10:54:39 24 read artic	uses a periprosthetic joint infection. You've les	10:57:09 <b>2</b> 0	4	ith the bovie or the knife or  Q. You agree with me that sterile surgical

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	CONFIDENTIAL - SUBJECT TO PROTECTIVE ORDER		CC	NFIDENTIAL - SUBJECT TO PROTECTIVE ORDER
,	101	_		103
10:57:39	infection.	10:59:59	in eviden	
10:57:40 <b>2</b>	MR. COREY GORDON: Object to the form of	11:00:00 <b>2</b>	0	THE WITNESS: Sorry.  The drop buckets for a used sponge, do you
	the question. <b>A.</b> I would say that anything sterile is	4	Q.	the that they're very unlikely to cause a
10:57:42 <b>4</b>	unlikely to cause an infection.	11:00:10 <b>4</b> 11:00:13 <b>5</b>		site infection?
10:58:23	<b>Q.</b> You agree with me that the cabinets along	11:00:14 6		Again I'll say the same thing, you know, I
10:58:26 7	the walls are very unlikely to cause a surgical-site	11:00:16 7		ow any data, so I think it's low probability.
10:58:30	infection.	11:00:32	_	And same question with the trash receptacle.
10:58:31	A. Same answer. I haven't seen any data. I	11:00:35		e with me the trash receptacle is very
10:58:34 10	think it's unlikely.	11:00:37 10		o cause a surgical-site infection.
10:58:35 11	Q. You agree with me that the suction drain	11:00:39 11	_	Yes.
10:58:38 12	that's in the operating room is very unlikely to cause	11:00:41 12	Q.	And do you agree with me that surgeons
10:58:40 13	a surgical-site infection.	11:00:45 13	moving t	heir hands is very unlikely to cause a
10:58:42 14	A. Yeah, I think drains have been known to	11:00:50 14	surgical-	site infection?
10:58:44 15	harbor certain organisms like Pseudomonas, but again,	11:00:51 15		MR. COREY GORDON: Object to the form of
10:58:48 16	if you say standard procedures that have been, you	11:00:53 16	the ques	tion.
10:58:53 17	know, done to try to minimize that, I think it's	11:00:54 17	A.	So a surgeon doing surgery is moving his
10:58:55 18	unlikely.	11:00:57 18	hands.	
10:58:56 19	<b>Q.</b> And when I ask you these questions, doctor,	11:00:57 19	Q.	He's moving his hands like this
10:58:58 20	let's just assume that the hospital, the doctors and	11:00:59 <b>20</b>	[demons	trating].
10:59:01 <b>21</b>	the nurses are following the standard of care.	11:00:59 <b>21</b>		Yeah. And is that a cause, assuming that
10:59:02 <b>22</b>	A. I'm with you.	11:01:04 <b>22</b>		else is happening? Yeah, I don't think the
10:59:02 23	Q. Okay.	11:01:06 23		nt of hands. Now people talk about the movement
10:59:05 24	A. I'll follow that.	11:01:09 24		creating more particles and whether that's
10:59:05 <b>25</b>	Q. Okay. Like, for example	11:01:14 25	linked, w	e talked about that earlier. It's hard to
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10:59:05		11:01:16 1	show a li	
10:59:05 <b>1</b>	<b>A.</b> I like infection control, so I'm with you.	11:01:16 <b>1</b>		nk with particles and surgical-site
10:59:07 2	<b>A.</b> I like infection control, so I'm with you. I'll imagine the perfect hospital.	11:01:16 <b>1</b> 11:01:19 <b>2</b> 11:01:56 <b>3</b>	infections	nk with particles and surgical-site s.
10:59:07 <b>2</b> 10:59:09 <b>3</b>	<ul><li>A. I like infection control, so I'm with you.</li><li>I'll imagine the perfect hospital.</li><li>Q. Okay. Like, for example, we're not</li></ul>	11:01:19 2	infections	nk with particles and surgical-site 6. Have you read Dr. Mont's expert report?
10:59:07 <b>2</b> 10:59:09 <b>3</b>	<ul> <li>A. I like infection control, so I'm with you.</li> <li>I'll imagine the perfect hospital.</li> <li>Q. Okay. Like, for example, we're not expecting a nurse to take off her mask and sneeze</li> </ul>	11:01:19 <b>2</b> 11:01:56 <b>3</b>	infections <b>Q</b> .	nk with particles and surgical-site s. Have you read Dr. Mont's expert report? Yes, I did look at that.
10:59:07 <b>2</b> 10:59:09 <b>3</b> 10:59:10 <b>4</b>	<ul><li>A. I like infection control, so I'm with you.</li><li>I'll imagine the perfect hospital.</li><li>Q. Okay. Like, for example, we're not</li></ul>	11:01:19 <b>2</b> 11:01:56 <b>3</b> 11:01:59 <b>4</b>	infections Q. A.	nk with particles and surgical-site 6. Have you read Dr. Mont's expert report?
10:59:07 <b>2</b> 10:59:09 <b>3</b> 10:59:10 <b>4</b> 10:59:13 <b>5</b>	<ul> <li>A. I like infection control, so I'm with you.</li> <li>I'll imagine the perfect hospital.</li> <li>Q. Okay. Like, for example, we're not expecting a nurse to take off her mask and sneeze right into the surgical site, you know, okay?</li> </ul>	11:01:19 <b>2</b> 11:01:56 <b>3</b> 11:01:59 <b>4</b> 11:02:00 <b>5</b>	infections Q. A. Q.	nk with particles and surgical-site 5. Have you read Dr. Mont's expert report? Yes, I did look at that. Okay.
10:59:07 <b>2</b> 10:59:09 <b>3</b> 10:59:10 <b>4</b> 10:59:13 <b>5</b> 10:59:16 <b>6</b>	<ul> <li>A. I like infection control, so I'm with you.</li> <li>I'll imagine the perfect hospital.</li> <li>Q. Okay. Like, for example, we're not expecting a nurse to take off her mask and sneeze right into the surgical site, you know, okay?</li> <li>A. I would hope so.</li> </ul>	11:01:19 <b>2</b> 11:01:56 <b>3</b> 11:01:59 <b>4</b> 11:02:00 <b>5</b> 11:02:01 <b>6</b>	infections Q. A. Q. A.	nk with particles and surgical-site  6.  Have you read Dr. Mont's expert report?  Yes, I did look at that.  Okay.  Yeah.
10:59:07 <b>2</b> 10:59:09 <b>3</b> 10:59:10 <b>4</b> 10:59:13 <b>5</b> 10:59:16 <b>6</b> 10:59:17 <b>7</b>	<ul> <li>A. I like infection control, so I'm with you.</li> <li>I'll imagine the perfect hospital.</li> <li>Q. Okay. Like, for example, we're not expecting a nurse to take off her mask and sneeze right into the surgical site, you know, okay?</li> <li>A. I would hope so.</li> <li>Q. Okay. You agree with me that sterilized</li> </ul>	11:01:19 <b>2</b> 11:01:56 <b>3</b> 11:01:59 <b>4</b> 11:02:00 <b>5</b> 11:02:01 <b>6</b> 11:02:01 <b>7</b>	infections Q. A. Q. A. Q.	nk with particles and surgical-site s. Have you read Dr. Mont's expert report? Yes, I did look at that. Okay. Yeah. Do you criticize anything in his report?
10:59:07 <b>2</b> 10:59:09 <b>3</b> 10:59:10 <b>4</b> 10:59:13 <b>5</b> 10:59:16 <b>6</b> 10:59:17 <b>7</b> 10:59:25 <b>8</b>	<ul> <li>A. I like infection control, so I'm with you.</li> <li>I'll imagine the perfect hospital.</li> <li>Q. Okay. Like, for example, we're not expecting a nurse to take off her mask and sneeze right into the surgical site, you know, okay?</li> <li>A. I would hope so.</li> <li>Q. Okay. You agree with me that sterilized surgical instruments are very unlikely to cause a</li> </ul>	11:01:19	infections Q. A. Q. A. Q. A.	nk with particles and surgical-site s. Have you read Dr. Mont's expert report? Yes, I did look at that. Okay. Yeah. Do you criticize anything in his report?
10:59:07	<ul> <li>A. I like infection control, so I'm with you.</li> <li>I'll imagine the perfect hospital.</li> <li>Q. Okay. Like, for example, we're not expecting a nurse to take off her mask and sneeze right into the surgical site, you know, okay?</li> <li>A. I would hope so.</li> <li>Q. Okay. You agree with me that sterilized surgical instruments are very unlikely to cause a surgical-site infection.</li> </ul>	11:01:19 2 11:01:56 3 11:01:59 4 11:02:00 5 11:02:01 6 11:02:01 7 11:02:04 8 11:02:06 9 11:02:06 10 11:02:06 11	Q. A. Q. A. Q. A. Criticize.	nk with particles and surgical-site  5.  Have you read Dr. Mont's expert report?  Yes, I did look at that.  Okay.  Yeah.  Do you criticize anything in his report?  Yeah, I don't think I saw anything that I'd
10:59:07 <b>2</b> 10:59:09 <b>3</b> 10:59:10 <b>4</b> 10:59:13 <b>5</b> 10:59:16 <b>6</b> 10:59:17 <b>7</b> 10:59:25 <b>8</b> 10:59:27 <b>9</b> 10:59:28 <b>10</b>	<ul> <li>A. I like infection control, so I'm with you.</li> <li>I'll imagine the perfect hospital.</li> <li>Q. Okay. Like, for example, we're not expecting a nurse to take off her mask and sneeze right into the surgical site, you know, okay?</li> <li>A. I would hope so.</li> <li>Q. Okay. You agree with me that sterilized surgical instruments are very unlikely to cause a surgical-site infection.</li> <li>MR. COREY GORDON: Object to the form of</li> </ul>	11:01:19 2 11:01:56 3 11:01:59 4 11:02:00 5 11:02:01 6 11:02:01 7 11:02:04 8 11:02:06 9 11:02:06 10	Q. A. Q. A. Q. A. criticize.	nk with particles and surgical-site  5.  Have you read Dr. Mont's expert report?  Yes, I did look at that.  Okay.  Yeah.  Do you criticize anything in his report?  Yeah, I don't think I saw anything that I'd
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10:59:07	A. I like infection control, so I'm with you.  I'll imagine the perfect hospital.  Q. Okay. Like, for example, we're not expecting a nurse to take off her mask and sneeze right into the surgical site, you know, okay?  A. I would hope so.  Q. Okay. You agree with me that sterilized surgical instruments are very unlikely to cause a surgical-site infection.  MR. COREY GORDON: Object to the form of the question.  A. Yeah, in general again, anything sterile.  Now once they're used they're no longer sterile, but, yes, I think that's true, and I agree with you.	11:01:19 2 11:01:56 3 11:01:59 4 11:02:01 6 11:02:01 7 11:02:04 8 11:02:06 10 11:02:06 11 11:02:07 12 11:02:37 12 11:02:38 13 11:02:41 14	infections Q. A. Q. A. Q. A. criticize. Q.	nk with particles and surgical-site  b.  Have you read Dr. Mont's expert report? Yes, I did look at that. Okay. Yeah. Do you criticize anything in his report? Yeah, I don't think I saw anything that I'd  Okay. Do you believe that Have you read  Have you read all the defense expert all the all 12 others?  No, I don't think I read 12.
10:59:07	A. I like infection control, so I'm with you.  I'll imagine the perfect hospital.  Q. Okay. Like, for example, we're not expecting a nurse to take off her mask and sneeze right into the surgical site, you know, okay?  A. I would hope so.  Q. Okay. You agree with me that sterilized surgical instruments are very unlikely to cause a surgical-site infection.  MR. COREY GORDON: Object to the form of the question.  A. Yeah, in general again, anything sterile.  Now once they're used they're no longer sterile, but, yes, I think that's true, and I agree with you.  Q. Yeah, I understand that when you cut the	11:01:19	infections Q. A. Q. A. Q. A. criticize. Q reports,	nk with particles and surgical-site  S.  Have you read Dr. Mont's expert report? Yes, I did look at that. Okay. Yeah. Do you criticize anything in his report? Yeah, I don't think I saw anything that I'd  Okay. Do you believe that Have you read  Have you read all the defense expert all the all 12 others? No, I don't think I read 12. Okay. Have you read Dr. Ho's expert report?
10:59:07	A. I like infection control, so I'm with you.  I'll imagine the perfect hospital.  Q. Okay. Like, for example, we're not expecting a nurse to take off her mask and sneeze right into the surgical site, you know, okay?  A. I would hope so.  Q. Okay. You agree with me that sterilized surgical instruments are very unlikely to cause a surgical-site infection.  MR. COREY GORDON: Object to the form of the question.  A. Yeah, in general again, anything sterile.  Now once they're used they're no longer sterile, but, yes, I think that's true, and I agree with you.  Q. Yeah, I understand that when you cut the skin they may no longer be sterile; correct?	11:01:19 2 11:01:56 3 11:01:59 4 11:02:01 6 11:02:01 7 11:02:04 8 11:02:06 10 11:02:06 11 11:02:07 12 11:02:08 13 11:02:41 14 11:02:43 15 11:02:47 16	infections Q. A. Q. A. Q. A. criticize. Q reports, a. Q. A.	nk with particles and surgical-site  S.  Have you read Dr. Mont's expert report?  Yes, I did look at that.  Okay.  Yeah.  Do you criticize anything in his report?  Yeah, I don't think I saw anything that I'd  Okay. Do you believe that Have you read  Have you read all the defense expert all the all 12 others?  No, I don't think I read 12.  Okay. Have you read Dr. Ho's expert report?  No, I didn't see that.
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	00	CASE 0:15-md-02666-JNE-DTS Doc NFIDENTIAL - SUBJECT TO PROTECTIVE ORDER	<del>, 823-7</del>	Filed 0	9/12/17 Page 29 of 95 NFIDENTIAL - SUBJECT TO PROTECTIVE ORDER
	CC			CC	
		105			107
11:03:11 <b>1</b>		Mont. I'm not sure who else. I think that	11:05:00 <b>1</b>	Α.	Oh, I'm sorry. I don't
11:03:18 2		nay be it, I don't remember.	11:05:03 2		Do I think he's on the plaintiffs' side? I
11:03:20 3	Q.	Have you met Dr. Mont?	11:05:07 3	thought	SO.
11:03:22 4	A.	Just at Science Day is the only time.	11:05:08 4	Q.	Why did you think that? Did someone tell
11:03:24 <b>5</b>	Q.	Have you met anyone from 3M in preparation	11:05:13 <b>5</b>	you that	?
11:03:25 6	of your	expert report?	11:05:14 6	Α.	No. I mean, he he is in charge of the
11:03:27 7	A.	No.	11:05:16 7	company	making the competitor.
11:03:28	Q.	Have you not met Al Van Duren?	11:05:19	Q.	Well there's a lot of competitors, aren't
11:03:30	Α.	No.	11:05:21 9	there?	
11:03:30 10	Q.	Have you read Al Van Duren's deposition?	11:05:21 10	Α.	Well I think that's the key one we're
11:03:32 11	A.	No.	11:05:23 11		on if we're really going to be talking man to
11:03:33 12	Q.	You haven't read his 30(b)(6) deposition?	11:05:26 12	_	e. That's the one that's
11:03:36 13	A.	No.	11:05:27 13	_	Let's talk man to man.
11:03:36 14	Q.	Do you know what a 30(b)(6)	11:05:29 14	Α.	Yeah.
	_			_	
11:03:36 15	Α.	No,	11:05:29 15	Q.	Let's talk man to man.
11:03:37 16	Q.	deposition is?	11:05:31 16		(Laughter.)
11:03:38 17	Α.	have no idea.	11:05:32 17		MS. ZIMMERMAN: I'm going to excuse myself
11:03:39 18	Q.	So have you	11:05:33 18	for this.	
11:03:41 19		Have you read Gary Hansen's deposition?	11:05:34 19		(Laughter.)
11:03:44 <b>20</b>	A.	No.	11:05:34 <b>20</b>		THE WITNESS: I'm sorry. I meant that as
11:03:44 21	Q.	Have you read any other	11:05:36 <b>21</b>	kind of a	joke.
11:03:45 <b>22</b>		Have you read any other depositions besides	11:05:38 <b>22</b>	Q.	So, I mean, have you heard of VitaHEAT?
11:03:47 23	expert d	epositions?	11:05:40 23	A.	No, I don't
11:03:48 24	A.	No, I don't think so.	11:05:40 <b>24</b>	Q.	VitaHEAT was a competitor of 3M that 3M just
11:03:49 <b>25</b>	Q.	Well that's not exactly true,	11:05:43 <b>25</b>	bought.	Are you aware of that?
		STIREWALT & ASSOCIATES		_	STIREWALT & ASSOCIATES
		I-800-553-1953 info@stirewalt.com		,	I-800-553-1953 info@stirewalt.com
	CC	NEIDENTIAL - SUBJECT TO PROTECTIVE ORDER		CC	NEIDENTIAL - SUBJECT TO PROTECTIVE ORDER
	CC	NFIDENTIAL - SUBJECT TO PROTECTIVE ORDER 106		CC	NFIDENTIAL - SUBJECT TO PROTECTIVE ORDER 108
11:03:40 1	CC	106	11:05:45		108
11:03:49 1		MR. COREY GORDON: Yeah.	11:05:45 1		No, I didn't.
11:03:51 2		MR. COREY GORDON: Yeah and I apologize for that.	11:05:45 2	A.	No, I didn't.  MR. COREY GORDON: Object to the form of
11:03:51 <b>2</b> 11:03:52 <b>3</b>	Q.	MR. COREY GORDON: Yeah and I apologize for that. MR. COREY GORDON: Kurz and Sessler.	11:05:45 <b>2</b> 11:05:46 <b>3</b>	A.	No, I didn't.  MR. COREY GORDON: Object to the form of tion, assumes facts not in evidence.
11:03:51 <b>2</b> 11:03:52 <b>3</b> 11:03:53 <b>4</b>	Q. A.	MR. COREY GORDON: Yeah and I apologize for that. MR. COREY GORDON: Kurz and Sessler. Oh, I'm sorry.	11:05:45 <b>2</b> 11:05:46 <b>3</b> 11:05:46 <b>4</b>	A. the ques	No, I didn't.  MR. COREY GORDON: Object to the form of stion, assumes facts not in evidence.  THE WITNESS: Sorry.
11:03:51 <b>2</b> 11:03:52 <b>3</b> 11:03:53 <b>4</b> 11:03:55 <b>5</b>	Q. A. Q.	MR. COREY GORDON: Yeah and I apologize for that. MR. COREY GORDON: Kurz and Sessler. Oh, I'm sorry. You've read the depositions listed in	11:05:45 <b>2</b> 11:05:46 <b>3</b> 11:05:46 <b>4</b> 11:05:48 <b>5</b>	A. the ques	No, I didn't.  MR. COREY GORDON: Object to the form of stion, assumes facts not in evidence.  THE WITNESS: Sorry.  Are you aware of Mistral?
11:03:51 <b>2</b> 11:03:52 <b>3</b> 11:03:53 <b>4</b> 11:03:55 <b>5</b> 11:03:56 <b>6</b>	Q. A. Q. Exhibit	MR. COREY GORDON: Yeah and I apologize for that. MR. COREY GORDON: Kurz and Sessler. Oh, I'm sorry. You've read the depositions listed in	11:05:45 <b>2</b> 11:05:46 <b>3</b> 11:05:46 <b>4</b> 11:05:48 <b>5</b> 11:05:49 <b>6</b>	A. the ques	No, I didn't.  MR. COREY GORDON: Object to the form of stion, assumes facts not in evidence.  THE WITNESS: Sorry.  Are you aware of Mistral?  No.
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11:03:51 <b>2</b> 11:03:52 <b>3</b> 11:03:53 <b>4</b> 11:03:55 <b>5</b> 11:03:56 <b>6</b> 11:03:56 <b>7</b> 11:03:58 <b>8</b>	Q. A. Q. Exhibit - A. meant fi	MR. COREY GORDON: Yeah and I apologize for that. MR. COREY GORDON: Kurz and Sessler. Oh, I'm sorry. You've read the depositions listed in - Yeah. I'm sorry. I didn't I thought you rom 3M or something.	11:05:45	A. the quest Q. A. Q. A.	No, I didn't.  MR. COREY GORDON: Object to the form of stion, assumes facts not in evidence.  THE WITNESS: Sorry.  Are you aware of Mistral?  No.  Are you aware of WarmTouch?  I've heard of WarmTouch, yeah.
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11:03:51	Q. A. Q. Exhibit - A. meant fr Q.  C. Exhibit 2  other de side? A. any other Q.  plaintiffs A. Augustir Q. side?	MR. COREY GORDON: Yeah and I apologize for that. MR. COREY GORDON: Kurz and Sessler. Oh, I'm sorry. You've read the depositions listed in Yeah. I'm sorry. I didn't I thought you om 3M or something. Exhibit, I think it's 3? MR. COREY GORDON: 2. 2. So besides these depositions listed in e, what other depositions Strike that. You've read Holford, Borak and Mont. Any positions you reviewed that are on the defense  I don't I don't think so. I don't recall er ones. You actually Before I get there. And you've read the depositions of 'experts; correct? I read Jarvis, Samet, and I think I've read lee.	11:05:45	A. the quest Q. A. Q. A. Hopkins. Q. devices A. Q. other co their pro A. have reasay, Aug Q. A.	No, I didn't.  MR. COREY GORDON: Object to the form of stion, assumes facts not in evidence.  THE WITNESS: Sorry.  Are you aware of Mistral?  No.  Are you aware of WarmTouch?  I've heard of WarmTouch, yeah.  Okay.  I think WarmTouch is what they use at  Okay. So there's other forced-air warming as well as convective devices;  Yeah.  correct?  Yeah.  Okay. And you're aware that, you know, mpetitors of 3M have done research to compare duct to the Bair Hugger.  I don't I mean, the only ones I've seen ally been the HotDog and, you know, and, let's justine's new study which I don't know if it's  I don't want to talk about that today.

	CASE 0:15-md-02666-JNE-DTS Doc CONFIDENTIAL - SUBJECT TO PROTECTIVE ORDER	<del>823-7</del>	Filed 09/12/17 Page 30 of 95 CONFIDENTIAL - SUBJECT TO PROTECTIVE ORDER
11:06:34	109 <b>Q.</b> I mean, there's there's Warm	11:08:13	defense. You want to be
•	<b>A.</b> And the McGovern study I mean obviously is		A. I'm not an advocate.
_	the big study you have for your side of the table.		
11:06:39 3	<b>Q.</b> Well is that what someone told you?		Q. You want to be objective; correct?  A. Yes. That's
11:06:43 4	A. Not	_	Q. Okay.
11:06:43			
11:06:47 6	Are you asking me if someone told me that?	11:08:16 6	A. That's good.
11:06:49	<ul><li>Q. I mean I mean, you say you thought</li><li>A. Why do I say that?</li></ul>	11:08:17 7	Q. Being objective is really important when
11:06:50 <b>8</b> 11:06:52 <b>9</b>	•	11:08:18 8	thousands of people's of lives are at stake; correct?
	, , , , , , , , , , , , , , , , , , , ,	11:08:21 9	A. Yes.
11:06:53 <b>10</b> 11:06:56 <b>11</b>	plaintiffs' side. Why would you make that assumption?		
11:06:56 I I 11:07:00 <b>12</b>	<b>A.</b> Because he compared, you know, his product to the Bair Hugger in the new study	11:08:22 <b>11</b>	Q. Okay. And what page are you looking at, sir?
	Q. You're aware that	11:08:25 12	<b>A.</b> Page 8.
11:07:03 13			
11:07:03 14	A which you don't want to talk about, but.	11:08:27 14	Q. Okay. So let's look at the two studies that
11:07:05 15	Q. You're aware that Augustine invented the	11:08:29 <b>15</b> 11:08:31 <b>16</b>	dealt with total hip and total knee.
11:07:07 <b>16</b> 11:07:08 <b>17</b>	Bair Hugger; correct? <b>A.</b> I do, yeah.	11:08:31 16	A. Yep.
11:07:08 17	Q. Okay. So do you criticize any of his older	11:08:32 17	<ul><li>Q. Okay. One was the one in Holland; correct?</li><li>A. Yes.</li></ul>
11:07:09 10		11:08:34 10	
11:07:11 19	studies that he did on Bair Hugger before he left Arizant?	11:08:35 19	<b>Q.</b> Where Bair Hugger was used on all the patients; correct?
11:07:15 <b>20</b>	A. I don't know if I know all of his old	11:08:36 20	A. Yes. That's my understanding.
11:07:15 21	studies, but I think you know my opinion. I think	11:08:37 2 1	Q. And even when the Bair Hugger is used, 27
11:07:17 22	the Bair Hugger works, I think there are no data out	11:08:38 22	percent of the people still became hypothermic;
11:07:24 <b>24</b>	there to definitively link it to harm.	11:08:41 23	correct?
11:07:24 24	<b>Q.</b> Well we have two studies that you just	11:08:43 24	A. That's correct.
11:07:28 23	STIREWALT & ASSOCIATES	11:08:44 25	STIREWALT & ASSOCIATES
	1-800-553-1953 info@stirewalt.com		1-800-553-1953 info@stirewalt.com
	CONFIDENTIAL - SUBJECT TO PROTECTIVE ORDER		CONFIDENTIAL - SUBJECT TO PROTECTIVE ORDER
	110		112
11:07:29	indicated that you that it support your opinion	11:08:44 <b>1</b>	<b>Q.</b> That would indicate that the Bair Hugger may
11:07:32 <b>2</b>	that Bair Hugger works for total hip and total knee.	11:08:48 2	not maintain normothermia during a surgery; correct?
11:07:36		11:08:51 3	<b>A.</b> For that study that's correct.
11:07:38 4	<b>A.</b> Umm-hmm.	11:08:52 4	Q. Okay. And that looks
11:07:39 <b>5</b>	Q and the other was where they compared	11:08:54 <b>5</b>	And that showed a 3.7 percent if they were
11:07:42	Bair Hugger and one where the Bair Hugger was used	11:08:58 6	<del></del>
11:07:45 <b>7</b>	all the time and indicated even when you used the Bair	11:08:58 7	A. No, not "percent." It's a risk ratio.
11:07:48	Hugger that it didn't maintain hypothermia; correct?	11:09:00 8	Q. You have percent there, sir.
11:07:52	MR. COREY GORDON: Object to the form of	11:09:01 9	<b>A.</b> Oh, I'm sorry. It's both.
11:07:53 10	the question, mischaracterizes his testimony,	11:09:03 10	Q. Okay. And one per if they're
11:07:54 11	Q. Isn't that what those studies say?	11:09:06 11	hypothermic; correct?
11:07:56 12	MR. COREY GORDON: Let me finish my	11:09:06 12	A. Yes.
	•	11:09:07 13	Q. So there might be something else in the oper
11:07:58 13	objection, please.	11:09:07	G. So there might be something else in the open
11:07:58 <b>13</b> 11:07:58 <b>14</b>	objection, please.  MR. ASSAAD: Okay.	11:09:07 13	
			MR. COREY GORDON: I think you misstated
11:07:58 14	MR. ASSAAD: Okay.	11:09:10 14	
11:07:58 <b>14</b> 11:07:59 <b>15</b>	MR. ASSAAD: Okay. MR. COREY GORDON: misstates the	11:09:10 <b>14</b> 11:09:10 <b>15</b>	MR. COREY GORDON: I think you misstated
11:07:58	MR. ASSAAD: Okay.  MR. COREY GORDON: misstates the evidence, form.	11:09:10 <b>14</b> 11:09:10 <b>15</b> 11:09:12 <b>16</b>	MR. COREY GORDON: I think you misstated that.
11:07:58	MR. ASSAAD: Okay. MR. COREY GORDON: misstates the evidence, form. Q. We can go back if you want, doctor.	11:09:10 <b>14</b> 11:09:10 <b>15</b> 11:09:12 <b>16</b> 11:09:13 <b>17</b>	MR. COREY GORDON: I think you misstated that.  MR. ASSAAD: I don't think I misstated it.
11:07:58	MR. ASSAAD: Okay.  MR. COREY GORDON: misstates the evidence, form.  Q. We can go back if you want, doctor.  Do you want to go back? Let's go back.	11:09:10	MR. COREY GORDON: I think you misstated that.  MR. ASSAAD: I don't think I misstated it.  MR. COREY GORDON: You said one percent if
11:07:58	MR. ASSAAD: Okay. MR. COREY GORDON: misstates the evidence, form.  Q. We can go back if you want, doctor. Do you want to go back? Let's go back. A. Let's do that. That'd be fine.	11:09:10	MR. COREY GORDON: I think you misstated that.  MR. ASSAAD: I don't think I misstated it.  MR. COREY GORDON: You said one percent if they're hypothermic.
11:07:58	MR. ASSAAD: Okay. MR. COREY GORDON: misstates the evidence, form.  Q. We can go back if you want, doctor. Do you want to go back? Let's go back. A. Let's do that. That'd be fine. Q. Let's be 100 percent correct what these	11:09:10 14 11:09:10 15 11:09:12 16 11:09:13 17 11:09:15 18 11:09:17 19 11:09:17 20	MR. COREY GORDON: I think you misstated that.  MR. ASSAAD: I don't think I misstated it.  MR. COREY GORDON: You said one percent if they're hypothermic.  MR. ASSAAD: I said I thought I said
11:07:58 14 11:07:59 15 11:07:59 16 11:08:00 17 11:08:02 18 11:08:04 19 11:08:05 20 11:08:08 21	MR. ASSAAD: Okay. MR. COREY GORDON: misstates the evidence, form.  Q. We can go back if you want, doctor. Do you want to go back? Let's go back. A. Let's do that. That'd be fine. Q. Let's be 100 percent correct what these studies say.	11:09:10 14 11:09:10 15 11:09:12 16 11:09:13 17 11:09:15 18 11:09:17 19 11:09:17 20 11:09:19 21	MR. COREY GORDON: I think you misstated that.  MR. ASSAAD: I don't think I misstated it.  MR. COREY GORDON: You said one percent if they're hypothermic.  MR. ASSAAD: I said I thought I said  "warmed." Did I say
11:07:58 14 11:07:59 15 11:07:59 16 11:08:00 17 11:08:02 18 11:08:04 19 11:08:05 20 11:08:08 21 11:08:08 22	MR. ASSAAD: Okay. MR. COREY GORDON: misstates the evidence, form.  Q. We can go back if you want, doctor. Do you want to go back? Let's go back. A. Let's do that. That'd be fine. Q. Let's be 100 percent correct what these studies say. A. Yeah, that's fine.	11:09:10 14 11:09:10 15 11:09:12 16 11:09:13 17 11:09:15 18 11:09:17 19 11:09:17 20 11:09:19 21 11:09:19 22	MR. COREY GORDON: I think you misstated that.  MR. ASSAAD: I don't think I misstated it.  MR. COREY GORDON: You said one percent if they're hypothermic.  MR. ASSAAD: I said I thought I said "warmed." Did I say  A. One percent if warmed, versus 3.7 if
11:07:58 14 11:07:59 15 11:07:59 16 11:08:00 17 11:08:02 18 11:08:04 19 11:08:05 20 11:08:08 21 11:08:08 22 11:08:08 23	MR. ASSAAD: Okay. MR. COREY GORDON: misstates the evidence, form.  Q. We can go back if you want, doctor. Do you want to go back? Let's go back.  A. Let's do that. That'd be fine. Q. Let's be 100 percent correct what these studies say.  A. Yeah, that's fine. Q. Because we want to be accurate; correct?	11:09:10 14 11:09:10 15 11:09:12 16 11:09:13 17 11:09:15 18 11:09:17 19 11:09:17 20 11:09:19 21 11:09:19 22 11:09:22 23	MR. COREY GORDON: I think you misstated that.  MR. ASSAAD: I don't think I misstated it.  MR. COREY GORDON: You said one percent if they're hypothermic.  MR. ASSAAD: I said I thought I said "warmed." Did I say  A. One percent if warmed, versus 3.7 if hypothermic.
11:07:58 14 11:07:59 15 11:07:59 16 11:08:00 17 11:08:02 18 11:08:04 19 11:08:05 20 11:08:08 21 11:08:08 22 11:08:09 23 11:08:11 24	MR. ASSAAD: Okay. MR. COREY GORDON: misstates the evidence, form.  Q. We can go back if you want, doctor. Do you want to go back? Let's go back.  A. Let's do that. That'd be fine. Q. Let's be 100 percent correct what these studies say.  A. Yeah, that's fine. Q. Because we want to be accurate; correct? A. Yes.	11:09:10 14 11:09:10 15 11:09:12 16 11:09:13 17 11:09:15 18 11:09:17 19 11:09:17 20 11:09:19 21 11:09:19 22 11:09:22 23 11:09:23 24	MR. COREY GORDON: I think you misstated that.  MR. ASSAAD: I don't think I misstated it.  MR. COREY GORDON: You said one percent if they're hypothermic.  MR. ASSAAD: I said I thought I said  "warmed." Did I say  A. One percent if warmed, versus 3.7 if hypothermic.  Q. Okay. And the p value was would indicate

	CC	CASE 0:15-md-02666-JNE-DTS Doc NFIDENTIAL - SUBJECT TO PROTECTIVE ORDER	<del>823-7</del>	Filed 09	0/12/17 Page 31 of 95 NFIDENTIAL - SUBJECT TO PROTECTIVE ORDER
	aboti ii	113			115
11:09:29	statistica	ally significant; correct?	11:11:12	-	nere who were under 36 degrees, no question,
11:09:31 2		MR. COREY GORDON: Object to the form of	11:11:15 2	_	proportion, unusually high proportion. A
1:09:32 3	the ques		11:11:18 3		ange things which I've already documented
1:09:32 4		I think many people who are out there would	11:11:21 4		s study. But that's what they showed; no
1:09:34 <b>5</b>	not blow	this off at .06.	11:11:25 <b>5</b>	difference	e, one percent at face value.
1:09:37 6	Q.	They would do further studies, wouldn't	11:11:27 6	Q.	And every every study has limitations;
1:09:39 7	they?		11:11:28 7	correct?	
1:09:42	A.	Well they probably would do further studies,	11:11:30	A.	Every study can be looked at carefully.
1:09:44	yes. Bu	t I think no one would discount that is what	11:11:31 9	Q.	Okay. And if you're an advocate you're
1:09:48 10	I've told	you earlier if I were advising a patient and	11:11:34 10	going to	discredit the studies and look at their
1:09:52 11		we had.	11:11:39 11		is, and if you're an advocate for a side
1:09:53 12	Q.	Okay. But we could agree with this study on	11:11:42 12		ing to not look at the limitations.
1:09:56 13		2, the Holland study on Exhibit 1, page 8, that	11:11:51 13	-	Well
1:10:01 14		Hugger, even when used, still may not	11:11:51 14	<i>,</i>	MR. COREY GORDON: Object to the form of
1:10:05 15		n normothermia; correct?	11:11:51 15	the guest	-
		•		the quest	
1:10:07 16		That's true.	11:11:51 16	_	I don't think that's true.
1:10:08 17		Okay. And then let's look at the study that	11:12:03 17	Ų.	Okay.
1:10:10 18		that when the Bair Hugger is used and not	11:12:03 18		(Interruption by the reporter.)
1:10:13 19		rrect? And we see that when the Bair Hugger	11:12:07 19		(Discussion off the stenographic record.)
1:10:19 <b>20</b>	is used -		11:12:09 <b>20</b>	BY MR. A	
1:10:20 <b>21</b>	A.	Which study are you on?	11:12:12 21		So going back to what depositions you've
1:10:21 <b>22</b>	Q.	Number 5, the Frisch study.	11:12:14 <b>22</b>	read, yοι	I've been working on this case for since
1:10:23 23	Α.	Okay. Yeah.	11:12:22 23	2015; co	rrect?
1:10:24 <b>24</b>	Q.	Okay.	11:12:24 <b>24</b>	A.	I think that's right.
1:10:26 <b>25</b>		there is a 1 percent infection rate;	11:12:24 <b>25</b>	Q.	Okay. So over almost
		STIREWALT & ASSOCIATES			STIREWALT & ASSOCIATES
		I-800-553-1953 info@stirewalt.com		1-	-800-553-1953 info@stirewalt.com
	CC	NFIDENTIAL - SUBJECT TO PROTECTIVE ORDER		COI	NFIDENTIAL - SUBJECT TO PROTECTIVE ORDE
		114			116
1:10:29	correct?	114	11:12:26 <b>1</b>	Α.	
•	correct?		11:12:26 <b>1</b>	_	Two years.
1:10:29 2	A.	Yes.	11:12:27 2	A. Q.	Two years two, two and a half years; correct?
1:10:29 <b>2</b> 1:10:30 <b>3</b>	A. Q.	Yes. And when the Bair Hugger is not used there	11:12:27 <b>2</b> 11:12:29 <b>3</b>	Q.	Two years two, two and a half years; correct? And you actually have seen internal
1:10:29 <b>2</b> 1:10:30 <b>3</b> 1:10:33 <b>4</b>	<b>A. Q.</b> is a 1 pe	Yes. And when the Bair Hugger is not used there ercent infection rate; correct?	11:12:27 <b>2</b> 11:12:29 <b>3</b> 11:12:31 <b>4</b>	<b>Q.</b> documen	Two years two, two and a half years; correct? And you actually have seen internal ts from 3M; isn't that true?
1:10:29 <b>2</b> 1:10:30 <b>3</b> 1:10:33 <b>4</b> 1:10:35 <b>5</b>	<b>A. Q.</b> is a 1 pe <b>A.</b>	Yes. And when the Bair Hugger is not used there ercent infection rate; correct? Yes.	11:12:27 <b>2</b> 11:12:29 <b>3</b> 11:12:31 <b>4</b> 11:12:35 <b>5</b>	Q. documen <b>A</b> .	Two years two, two and a half years; correct? And you actually have seen internal
1:10:29 <b>2</b> 1:10:30 <b>3</b> 1:10:33 <b>4</b> 1:10:35 <b>5</b>	A. Q. is a 1 pe A. Q.	Yes. And when the Bair Hugger is not used there ercent infection rate; correct? Yes. Okay. So the Frisch study indicates that	11:12:27 <b>2</b> 11:12:29 <b>3</b> 11:12:31 <b>4</b> 11:12:35 <b>5</b> 11:12:36 <b>6</b>	Q. documen A. about.	Two years two, two and a half years; correct? And you actually have seen internal ts from 3M; isn't that true? I don't know what documents you're talking
1:10:29	A. Q. is a 1 pe A. Q. the Frisco	Yes. And when the Bair Hugger is not used there ercent infection rate; correct? Yes. Okay. So the Frisch study indicates that	11:12:27 <b>2</b> 11:12:29 <b>3</b> 11:12:31 <b>4</b> 11:12:35 <b>5</b> 11:12:36 <b>6</b> 11:12:36 <b>7</b>	Q. documen A. about. Q.	Two years two, two and a half years; correct? And you actually have seen internal ts from 3M; isn't that true? I don't know what documents you're talking I mean, you've read depositions in the
1:10:29	A. Q. is a 1 pe A. Q. the Friscowhen th	Yes. And when the Bair Hugger is not used there ercent infection rate; correct? Yes. Okay. So the Frisch study indicates that th study actually tested the infection rates the Bair Hugger is used as compared to when the	11:12:27 <b>2</b> 11:12:29 <b>3</b> 11:12:31 <b>4</b> 11:12:35 <b>5</b> 11:12:36 <b>6</b> 11:12:36 <b>7</b> 11:12:38 <b>8</b>	Q. documen A. about. Q. Walton c.	Two years two, two and a half years; correct? And you actually have seen internal ts from 3M; isn't that true? I don't know what documents you're talking I mean, you've read depositions in the ase.
1:10:29	A. Q. is a 1 pe A. Q. the Frisc when th	Yes. And when the Bair Hugger is not used there ercent infection rate; correct? Yes. Okay. So the Frisch study indicates that th study actually tested the infection rates e Bair Hugger is used as compared to when the ager is not used; correct?	11:12:27 <b>2</b> 11:12:29 <b>3</b> 11:12:31 <b>4</b> 11:12:35 <b>5</b> 11:12:36 <b>6</b> 11:12:36 <b>7</b> 11:12:38 <b>8</b> 11:12:39 <b>9</b>	documen A. about. Q. Walton co	Two years two, two and a half years; correct? And you actually have seen internal ts from 3M; isn't that true? I don't know what documents you're talking  I mean, you've read depositions in the ase. Oh, I have seen those. Is that what you
1:10:29	A. Q. is a 1 pe A. Q. the Frisc when th	Yes. And when the Bair Hugger is not used there ercent infection rate; correct? Yes. Okay. So the Frisch study indicates that th study actually tested the infection rates the Bair Hugger is used as compared to when the	11:12:27 <b>2</b> 11:12:29 <b>3</b> 11:12:31 <b>4</b> 11:12:35 <b>5</b> 11:12:36 <b>6</b> 11:12:36 <b>7</b> 11:12:38 <b>8</b>	Q. documen A. about. Q. Walton c. A. mean by	Two years two, two and a half years; correct? And you actually have seen internal ts from 3M; isn't that true? I don't know what documents you're talking  I mean, you've read depositions in the ase. Oh, I have seen those. Is that what you that?
1:10:29	A. Q. is a 1 pe A. Q. the Frisc when th Bair Hug A.	Yes. And when the Bair Hugger is not used there ercent infection rate; correct? Yes. Okay. So the Frisch study indicates that th study actually tested the infection rates e Bair Hugger is used as compared to when the ager is not used; correct?	11:12:27 <b>2</b> 11:12:29 <b>3</b> 11:12:31 <b>4</b> 11:12:35 <b>5</b> 11:12:36 <b>6</b> 11:12:36 <b>7</b> 11:12:38 <b>8</b> 11:12:39 <b>9</b>	Q. documen A. about. Q. Walton c. A. mean by	Two years two, two and a half years; correct? And you actually have seen internal ts from 3M; isn't that true? I don't know what documents you're talking I mean, you've read depositions in the ase. Oh, I have seen those. Is that what you
1:10:29	A. Q. is a 1 per A. Q. the Frisco when the Bair Hug A. Q.	Yes. And when the Bair Hugger is not used there ercent infection rate; correct? Yes. Okay. So the Frisch study indicates that th study actually tested the infection rates to Bair Hugger is used as compared to when the ager is not used; correct? Used versus not used?	11:12:27 <b>2</b> 11:12:29 <b>3</b> 11:12:31 <b>4</b> 11:12:35 <b>5</b> 11:12:36 <b>6</b> 11:12:36 <b>7</b> 11:12:38 <b>8</b> 11:12:39 <b>9</b> 11:12:41 <b>10</b>	Q.  documen A. about. Q. Walton c. A. mean by Q.	Two years two, two and a half years; correct? And you actually have seen internal ts from 3M; isn't that true? I don't know what documents you're talking  I mean, you've read depositions in the ase. Oh, I have seen those. Is that what you that?
1:10:29	A. Q. is a 1 per A. Q. the Frisco when the Bair Hug A. Q. A.	Yes. And when the Bair Hugger is not used there ercent infection rate; correct? Yes. Okay. So the Frisch study indicates that ch study actually tested the infection rates a Bair Hugger is used as compared to when the iger is not used; correct? Used versus not used? Yeah.	11:12:27 <b>2</b> 11:12:29 <b>3</b> 11:12:31 <b>4</b> 11:12:35 <b>5</b> 11:12:36 <b>6</b> 11:12:36 <b>7</b> 11:12:38 <b>8</b> 11:12:39 <b>9</b> 11:12:41 <b>10</b> 11:12:41 <b>11</b>	Q. documen A. about. Q. Walton c. A. mean by Q. A.	Two years.  two, two and a half years; correct?  And you actually have seen internal ts from 3M; isn't that true?  I don't know what documents you're talking  I mean, you've read depositions in the ase.  Oh, I have seen those. Is that what you that?  Yes.
1:10:29	A. Q. is a 1 per A. Q. the Frisco when the Bair Hug A. Q. A.	Yes. And when the Bair Hugger is not used there ercent infection rate; correct? Yes. Okay. So the Frisch study indicates that th study actually tested the infection rates as Bair Hugger is used as compared to when the ager is not used; correct? Used versus not used? Yeah. Well they looked at who got cool with the	11:12:27	Q. documen A. about. Q. Walton c. A. mean by Q. A.	Two years two, two and a half years; correct? And you actually have seen internal ts from 3M; isn't that true? I don't know what documents you're talking  I mean, you've read depositions in the ase. Oh, I have seen those. Is that what you that? Yes. In the Walton case, yeah.
1:10:29	A. Q. is a 1 per A. Q. the Frisco when the Bair Hug A. Q. A. Bair Hug	Yes. And when the Bair Hugger is not used there ercent infection rate; correct? Yes. Okay. So the Frisch study indicates that th study actually tested the infection rates as Bair Hugger is used as compared to when the ager is not used; correct? Used versus not used? Yeah. Well they looked at who got cool with the	11:12:27	Q. documen A. about. Q. Walton c. A. mean by Q. A. Q.	Two years.  two, two and a half years; correct?  And you actually have seen internal ts from 3M; isn't that true?  I don't know what documents you're talking  I mean, you've read depositions in the ase.  Oh, I have seen those. Is that what you that?  Yes.  In the Walton case, yeah.  And you  And you've read depositions and you've had
1:10:29	A. Q. is a 1 per A. Q. the Frisco when the Bair Hug A. Q. A. Bair Hugger.	Yes. And when the Bair Hugger is not used there ercent infection rate; correct? Yes. Okay. So the Frisch study indicates that th study actually tested the infection rates to Bair Hugger is used as compared to when the inger is not used; correct? Used versus not used? Yeah. Well they looked at who got cool with the inger versus who didn't get cool with the Bair	11:12:27	Q. documen A. about. Q. Walton c. A. mean by Q. A. Q. internal c.	Two years.  two, two and a half years; correct?  And you actually have seen internal ts from 3M; isn't that true?  I don't know what documents you're talking  I mean, you've read depositions in the ase.  Oh, I have seen those. Is that what you that?  Yes.  In the Walton case, yeah.  And you  And you've read depositions and you've had documents provided to you in the Walton case
1:10:29	A. Q. is a 1 per A. Q. the Frisco when the Bair Hug A. Q. A. Bair Hug Hugger. Q.	Yes. And when the Bair Hugger is not used there ercent infection rate; correct? Yes. Okay. So the Frisch study indicates that th study actually tested the infection rates a Bair Hugger is used as compared to when the iger is not used; correct? Used versus not used? Yeah. Well they looked at who got cool with the iger versus who didn't get cool with the Bair You mean warm. Huh?	11:12:27	Q. documen A. about. Q. Walton c. A. mean by Q. A. Q. internal c. A.	Two years.  two, two and a half years; correct?  And you actually have seen internal ts from 3M; isn't that true?  I don't know what documents you're talking  I mean, you've read depositions in the ase.  Oh, I have seen those. Is that what you that?  Yes.  In the Walton case, yeah.  And you  And you've read depositions and you've had documents provided to you in the Walton case Yeah, I haven't looked at Walton for, you
2 1:10:29	A. Q. is a 1 per A. Q. the Frisco when the Bair Huge A. Q. A. Bair Huger. Q. A. Q.	Yes. And when the Bair Hugger is not used there ercent infection rate; correct? Yes. Okay. So the Frisch study indicates that th study actually tested the infection rates a Bair Hugger is used as compared to when the ager is not used; correct? Used versus not used? Yeah. Well they looked at who got cool with the ager versus who didn't get cool with the Bair You mean warm. Huh? You mean warm.	11:12:27	document A. about. Q. Walton c. A. mean by Q. A. Q. internal c. A. know, alr	Two years.  two, two and a half years; correct?  And you actually have seen internal ts from 3M; isn't that true?  I don't know what documents you're talking  I mean, you've read depositions in the ase.  Oh, I have seen those. Is that what you that?  Yes.  In the Walton case, yeah.  And you  And you've read depositions and you've had documents provided to you in the Walton case Yeah, I haven't looked at Walton for, you most the two years so I can't remember all the
2 1:10:29	A. Q. is a 1 per A. Q. the Frisco when the Bair Hug A. Q. A. Bair Hugger. Q. A. Q. A.	Yes. And when the Bair Hugger is not used there ercent infection rate; correct? Yes. Okay. So the Frisch study indicates that th study actually tested the infection rates to Bair Hugger is used as compared to when the inger is not used; correct? Used versus not used? Yeah. Well they looked at who got cool with the inger versus who didn't get cool with the Bair You mean warm. Huh? You mean warm. Warmed. I'm sorry.	11:12:27	Q. document A. about. Q. Walton co A. mean by Q. A. Q. internal co A. know, alithings I I	Two years.  two, two and a half years; correct?  And you actually have seen internal ts from 3M; isn't that true?  I don't know what documents you're talking  I mean, you've read depositions in the ase.  Oh, I have seen those. Is that what you that?  Yes.  In the Walton case, yeah.  And you  And you've read depositions and you've had documents provided to you in the Walton case Yeah, I haven't looked at Walton for, you most the two years so I can't remember all the ooked at or not, but I had certainly read
2 1:10:29	A. Q. is a 1 per A. Q. the Frisco when the Bair Hug A. Q. A. Bair Huger. Q. A. Q. A. Q. A. Q.	Yes. And when the Bair Hugger is not used there ercent infection rate; correct? Yes. Okay. So the Frisch study indicates that ch study actually tested the infection rates a Bair Hugger is used as compared to when the iger is not used; correct? Used versus not used? Yeah. Well they looked at who got cool with the iger versus who didn't get cool with the iger versus who didn't get cool with the Bair You mean warm. Huh? You mean warm. Warmed. I'm sorry. We're not cooling with Bair Huggers; are we?	11:12:27	document A. about. Q. Walton c. A. mean by Q. A. Q. internal c. A. know, alinthings I I everything	Two years.  two, two and a half years; correct?  And you actually have seen internal ts from 3M; isn't that true?  I don't know what documents you're talking  I mean, you've read depositions in the ase.  Oh, I have seen those. Is that what you that?  Yes.  In the Walton case, yeah.  And you  And you've read depositions and you've had documents provided to you in the Walton case?  Yeah, I haven't looked at Walton for, you most the two years so I can't remember all thooked at or not, but I had certainly read
2 1:10:29	A. Q. is a 1 per A. Q. the Frisco when the Bair Hug. A. Q. A. Bair Hug. Hugger. Q. A. Q. A. Q. A. Q. A.	Yes. And when the Bair Hugger is not used there ercent infection rate; correct? Yes. Okay. So the Frisch study indicates that ch study actually tested the infection rates a Bair Hugger is used as compared to when the iger is not used; correct? Used versus not used? Yeah. Well they looked at who got cool with the iger versus who didn't get cool with the iger versus who didn't get cool with the Bair You mean warm. Huh? You mean warm. Warmed. I'm sorry. We're not cooling with Bair Huggers; are we? We're what?	11:12:27	document A. about. Q. Walton c. A. mean by Q. A. Q. internal c. A. know, alinthings I I everythings ent.	Two years.  two, two and a half years; correct? And you actually have seen internal ts from 3M; isn't that true? I don't know what documents you're talking  I mean, you've read depositions in the ase. Oh, I have seen those. Is that what you that? Yes. In the Walton case, yeah. And you And you've read depositions and you've had documents provided to you in the Walton case Yeah, I haven't looked at Walton for, you most the two years so I can't remember all the ooked at or not, but I had certainly reading that I could get my hands on and that they
2 1:10:29	A. Q. is a 1 per A. Q. the Frisco when the Bair Hug. A. Q. A. Bair Huger. Q. A. Q. A. Q. A. Q. A. Q. A. Q.	Yes. And when the Bair Hugger is not used there ercent infection rate; correct? Yes. Okay. So the Frisch study indicates that th study actually tested the infection rates to Bair Hugger is used as compared to when the iger is not used; correct? Used versus not used? Yeah. Well they looked at who got cool with the iger versus who didn't get cool with the Bair  You mean warm. Huh? You mean warm. Warmed. I'm sorry. We're not cooling with Bair Huggers; are we? We're what? We're not cooling with Bair Huggers.	11:12:27	document A. about. Q. Walton C. A. mean by Q. A. Q. internal C. know, all things I I everythings ent. Q.	Two years.  two, two and a half years; correct?  And you actually have seen internal ts from 3M; isn't that true?  I don't know what documents you're talking  I mean, you've read depositions in the ase.  Oh, I have seen those. Is that what you that?  Yes.  In the Walton case, yeah.  And you  And you've read depositions and you've had documents provided to you in the Walton case Yeah, I haven't looked at Walton for, you most the two years so I can't remember all the ooked at or not, but I had certainly reading that I could get my hands on and that they  Okay. And were you told not to include any
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A. Oh, Walton, way back when.  11:14:19 13	
11:14:22 14 Q. Did you not use any of that report in this 11:14:23 15 report? 11:14:25 16 A. Yeah, there probably were some same things 11:14:28 17 in terms of the background, some of the same studies, 11:14:31 18 but I think I kept finding more and more studies is 11:14:34 19 all I'm saying, in more recent time. 11:14:39 20 Q. I understand that, but you started working 11:17:00 14 I only have one copy? 11:17:00 15 A. Yeah, sure. (Handing.) 11:17:02 16 Q. Do you recall reading the depositions of a continuous during the Walton case? 11:17:13 18 A. I actually don't remember any of that, no continuous during the Walton case? 11:17:15 19 Can't recall. 11:17:16 20 Q. Can I have it again, sir?	
11:14:23 15 report?  11:14:25 16 A. Yeah, there probably were some same things 11:14:28 17 in terms of the background, some of the same studies, 11:14:31 18 but I think I kept finding more and more studies is 11:14:34 19 all I'm saying, in more recent time. 11:14:39 20 Q. I understand that, but you started working  11:17:01 15 A. Yeah, sure. (Handing.) Q. Do you recall reading the depositions of a condition of those individuals during the Walton case? 11:17:13 18 A. I actually don't remember any of that, not condition of the co	
A. Yeah, there probably were some same things in terms of the background, some of the same studies, but I think I kept finding more and more studies is all I'm saying, in more recent time.  11:14:25 16 Q. Do you recall reading the depositions of those individuals during the Walton case?  11:17:02 16 Q. Do you recall reading the depositions of the background, some of the same studies, 11:17:04 17 of those individuals during the Walton case?  11:14:17:13 18 A. I actually don't remember any of that, no case individuals during the depositions of the background, some of the same studies, 11:17:04 17 of those individuals during the Walton case?  11:17:13 18 A. I actually don't remember any of that, no case individuals during the Walton case?  11:17:13 18 A. I actually don't remember any of that, no case individuals during the Walton case?  11:17:13 18 A. I actually don't remember any of that, no case individuals during the Walton case?  11:17:14 18 D. I actually don't remember any of that, no case individuals during the Walton case?  11:17:14 18 D. I actually don't remember any of that, no case individuals during the Walton case?  11:17:14 18 D. I actually don't remember any of that, no case individuals during the Walton case?  11:17:15 19 Can't recall.  11:17:16 20 Q. Can I have it again, sir?	
in terms of the background, some of the same studies, but I think I kept finding more and more studies is all I'm saying, in more recent time.  11:14:39 20 Q. I understand that, but you started working  11:17:14 17 of those individuals during the Walton case?  11:17:14 18 A. I actually don't remember any of that, no case?  11:17:14 19 Can't recall.  11:17:16 20 Q. Can I have it again, sir?	2011
11:14:31 18 but I think I kept finding more and more studies is 11:14:34 19 all I'm saying, in more recent time. 11:14:39 20 Q. I understand that, but you started working 11:17:16 20 Q. Can I have it again, sir?	ally
11:14:34 19 all I'm saying, in more recent time. 11:14:39 20 Q. I understand that, but you started working 11:17:16 20 Q. Can I have it again, sir?	_
20 Q. I understand that, but you started working 11:17:16 20 Q. Can I have it again, sir?	5.
11:14:41 21 on this report probably during Walton; correct? 11:14:16 21 A. (Handing.)	
11:14:43 <b>22 A.</b> Yeah. That's fair. 11:17:21 <b>22 Q.</b> Did you look at medical records in the	
11:14:44 <b>23 Q.</b> Okay. 11:17:22 <b>23</b> Walton case?	
11:14:44 24 A. I mean I did a report for Walton, and then, 11:17:23 24 A. I did.	
11:14:48 <b>25</b> you know, when I was asked to make comments there was 11:17:24 <b>25 Q.</b> Okay. Did you ever look at the operating	g
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11:14:51 <b>1</b> only one patient. 11:17:31 <b>1</b> manual for the Bair Hugger Model 750?	
11:14:53 <b>2 Q.</b> And this was on May 29th, 2015. 11:17:34 <b>2 A.</b> I think I looked at that some time ago.	I
11:14:55 <b>3 A.</b> It was way back. 11:17:38 <b>3</b> don't remember much about it, but.	
11:14:56 <b>4 Q.</b> Okay. And you didn't start all over in this 11:17:40 <b>4 Q.</b> It's not listed in Exhibit 1 anywhere.	
11:15:01 <b>5</b> case; did you? 11:17:42 <b>5 A.</b> Yeah.	
	1
- was a second of the second o	
11:15:06 <b>8 Q.</b> Okay. All right. And so you've been 11:17:47 <b>8</b> case or something way back when, but I just don't	
9 working on this report since early of 2015.	
11:15:13 10 A. Yeah, you could say that. 11:17:51 10 Q. Do you remember receiving many intern	
Q. I mean, your Walton report is is documents, as indicated here in Exhibit 5, from 3M	1?
11:15:18 12 approximately 40 pages; 11:17:57 12 A. I just can't recall that, so I don't know.	
11:15:24 <b>13 A.</b> Umm-hmm. 11:18:00 <b>13</b> Yeah.	
11:15:24 <b>14 Q.</b> correct? 11:18:01 <b>14 Q.</b> Well what's been provided today,	
11:15:25 <b>15</b> Does that sound about right? 11:18:04 <b>15 A.</b> Yeah.	
11:15:26 <b>16 A.</b> I don't remember, but that's about right, 11:18:04 <b>16 Q.</b> are those all the documents that were	i
11:15:28 17 yeah. 11:18:06 17 provided to you by any of the attorneys for 3M, fro	m
11:15:28 <b>18 Q.</b> Okay. Have you compared your Walton report 11:18:08 <b>18</b> Blackwell Burke or from Greenberg Traurig?	
11:15:31 <b>19</b> to to your current report which is Exhibit 1? 11:18:12 <b>19</b> MR. COREY GORDON: Object to the form	n of
11:15:34 <b>20 A.</b> I I haven't gone back and tried to look 11:18:13 <b>20</b> the question.	
11:15:37 <b>21</b> line by line or area by area. My guess, it comports 11:18:14 <b>21 A.</b> I think I was focusing on sort of this	
11:15:42 <b>22</b> to similar things. 11:18:16 <b>22</b> general type of causation question. Was there	
11:15:53 23 MR. ASSAAD: I only have one copy of this, 11:18:22 23 anything from Blackwell? I don't know.	
11:18:54 24 but let's mark this as Exhibit Number? 11:18:25 24 Q. Did you re	
11:18:25 24 G. Did you're 11:18:25 25 So you're sitting here today, you didn't	
LITERED AND THE REPURLER FIVE 1444995 ZEI SO VOILTE CITTION DETERMINENT MADAY VOIL AIGHT.	
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			_	123
	ny of the documents, internal documents from	_	_	in Exhibit 2,
-			_	Yeah.
	•	11:20:49 3	Q.	then you most likely didn't receive it.
		11:20:50 4	Α.	Yeah, I don't I don't recall it, that's
multidist	rict litigation; correct?	11:20:52 <b>5</b>	all.	
A.	Yes.	11:20:52 6	Q.	You didn't receive the expert report of Dr.
Q.	Do you have another file or box of documents	11:20:54 7	Keen; co	rrect?
that you	had for Walton?	11:20:55 8	Α.	That's true.
A.	I don't have anything that I remember a	11:20:55 9	Q.	You did not receive the expert report of Dr.
separate	file. I mean, my office looks like a mess	11:20:59 10	Kuehn; c	correct?
right nov	v, but	11:21:00 11	A.	Correct.
Q.	You do understand the Walton case is still	11:21:01 12	Q.	Or Kuehn [keen]. I say Kuehn [coon] just to
going on		11:21:01 13	distinguis	sh between the two.
		11:21:01 14	_	Okay. Yeah.
_				You didn't receive the expert report of Dr.
				Yes. True.
				You did not receive the expert report of Dr.
				•
				That's true.
			Q.	Okay. Did you see any of the vid
				You said you saw the videos of what Abrahan
				at Science Day; correct?
Q.	And did you review the expert report of Dr.	11:21:20 <b>24</b>	Α.	Yeah.
Mont?		11:21:21 <b>25</b>	Q.	Did you ever review those again?
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	MR. COREY GORDON: Objection, asked and	11:21:22 <b>1</b>	A.	No.
answere	d.	11:21:22 2	Q.	Did you ever go online to review them?
	MR. ASSAAD: I asked him about the	11:21:24 3	Α.	No.
depositio	on.	11:21:25 4	Q.	Have you ever been to any of the websites
•		11:21:26 5		by Blackwell Burke to to do a a
	•			g campaign of the benefits of forced-air
report th	_			
report ti			warring	MR. COREY GORDON: Object to the form of
that did:		_	the gues	
triat titui	<del>-</del>			
	·	-		I don't remember doing that, no.
2-1				Are you aware that Blackwell Burke is trying
asked ar			to influer	nce the jury in Minnesota?
				MR. COREY GORDON: Object to the form of
		11:21:43 14	•	tion, move to strike.
it's not o	n this list.	11:21:45 15		I'm not aware of that.
	MR. COREY GORDON: That's fine.	11:21:46 16		Okay. Are you aware of any law firm that's
	MR. ASSAAD: It's not worth fighting about.	11:21:48 17	represen	ting a manufacturer of a medical device that
	MR. COREY GORDON: No, it isn't.	11:21:53 18	actually <sub>l</sub>	puts out a website and promotes the and
A.	No. I remember most reading most	11:21:55 19	markets	the medical device on their own on the
recently	reading the I guess it's the deposition.	11:21:58 <b>20</b>	website?	
	So you've never seen the expert report of	11:21:58 <b>21</b>		MR. COREY GORDON: Object to the form of
Q.		11:22:00 <b>22</b>	the gues	tion, lack of foundation.
<b>Q.</b> Dr. Mont				,
Dr. Mont			Δ	So
Dr. Mont	I think I'm not sure, okay?	11:22:01 23	A. O	So Are you aware of that "yes" or "no"?
Dr. Mont <b>A.</b> <b>Q.</b>	I think I'm not sure, okay? Well if it's not listed in your	11:22:01 <b>23</b> 11:22:01 <b>24</b>	Q.	Are you aware of that, "yes" or "no"?
Dr. Mont <b>A.</b> <b>Q.</b>	I think I'm not sure, okay?	11:22:01 23	_	
	rely on a 3M.  A. Q. multidist A. Q. that you A. separate right now Q. going on A. Q. you just A. Q. expert re you; corr A. Q. Mont?  10 CC answered deposition report the that didn't asked are because it's not on the correct of the	rely on any of the documents, internal documents from 3M.  A. No. I mean I told you what I have, and  Q. Okay. Well this is what you have for the multidistrict litigation; correct?  A. Yes. Q. Do you have another file or box of documents that you had for Walton?  A. I don't have anything that I remember a separate file. I mean, my office looks like a mess right now, but Q. You do understand the Walton case is still going on.  A. I don't know anything about where it is. Q. Okay. So have you destroyed them? A. No. Q. Okay. So you believe you still have them, you just don't know where they are. A. Yeah. Q. Okay. So my understanding is that the expert report of Nurse Hughes was never provided to you; correct? A. That's true. Q. And did you review the expert report of Dr.  Mont?  STIREWALT & ASSOCIATES 1-800-553-1953 info@stirewalt.com  CONFIDENTIAL - SUBJECT TO PROTECTIVE ORDER 122  MR. COREY GORDON: Objection, asked and answered.  MR. ASSAAD: I asked him about the deposition.  MR. COREY GORDON: The deposition?  MR. ASSAAD: Yeah. I'm asking about the report this time.  MR. COREY GORDON: You mean the transcript that didn't exist until about an hour ago?  MR. ASSAAD: The expert report.  MR. COREY GORDON: That was That was asked and answered.  MR. ASSAAD: Well let me ask it again, because I don't I was going through this list and it's not on this list.  MR. COREY GORDON: That's fine.  MR. ASSAAD: It's not worth fighting about.  MR. ASSAAD: It's not worth fighting about.  MR. COREY GORDON: No, it isn't.	rely on any of the documents, internal documents from 3M.  A. No. I mean I told you what I have, and Q. Okay. Well this is what you have for the multidistrict litigation; correct? A. Yes. Q. Do you have another file or box of documents that you had for Walton? A. I don't have anything that I remember a separate file. I mean, my office looks like a mess right now, but Q. You do understand the Walton case is still going on. A. I don't know anything about where it is. Q. Okay. So have you destroyed them? A. I don't know anything about where it is. Q. Okay. So have you destroyed them? A. No. Q. Okay. So you believe you still have them, you just don't know where they are. A. Yeah. Q. Okay. So my understanding is that the expert report of Nurse Hughes was never provided to you; correct? A. That's true. Q. And did you review the expert report of Dr. Mont?  STIREWALT & ASSOCIATES 1-800-553-1953 info@stirewalt.com  CONFIDENTIAL - SUBJECT TO PROTECTIVE ORDER 12/22 24  MR. COREY GORDON: Objection, asked and answered.  MR. ASSAAD: I asked him about the report this time.  MR. COREY GORDON: The deposition?  MR. ASSAAD: Yeah. I'm asking about the report this time.  MR. COREY GORDON: That was That was asked and answered.  MR. ASSAAD: Well let me ask it again, because I don't I was going through this list and it's not on this list.  MR. COREY GORDON: That's fine.  MR. COREY GORDON: No, it isn't.  MR. COREY GORDON: No, it isn't.	rely on any of the documents, internal documents from 3M.  A. No. I mean I told you what I have, and Q. Okay. Well this is what you have for the multidistrict litigation; correct? A. Yes. Q. Do you have another file or box of documents that you had for Walton? A. I don't have anything that I remember a separate file. I mean, my office looks like a mess right now, but Q. You do understand the Walton case is still going on. A. I don't know anything about where it is. Q. Okay. So have you destroyed them? A. No. Q. Okay. So you believe you still have them, you just don't know where they are. A. Yeah. Q. Okay. So my understanding is that the expert report of Nurse Hughes was never provided to you; correct? A. That's true. Q. And did you review the expert report of Dr. Mont?  STIREWALT & ASSOCIATES 1-800-553-1953 info@stirewalt.com  CONFIDENTIAL - SUBJECT TO PROTECTIVE ORDER ALSOMOSTICAL SUBJECT TO PROTECTIVE ORDER ALSOMOSTIC

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11:22:05	understa		11:23:41	1	Q	You haven't seen his expert report; correct?
11:22:05 2	_	Are you aware of a law firm that actually	11:23:44	2	<b>α</b> .	I have not.
11:22:06 3		a medical device for a company?	11:23:44	3	Q.	And what about Ulatowski; have you seen his
11:22:08 4		No, I'm not.	11:23:44	4	expert r	
		Okay. You're not a You're not familiar	11:23:48	5		Who?
		v particles move in airflow; are you?		6	Q.	Ulatowski?
	<b>A.</b>	No.	11:23:49	7	Q. A.	No.
		Okay. Have you been provided the expert	11:23:54	8	Q.	At the time of the meeting in Washington,
		f Dr. Lampotang?	11:23:59	9	-	nat did you three discuss?
11:22:22 9		No.	11:24:03 11:24:08			Pretty much that Holford, who's a professor
11:22:26 10	Q.		11:24:08			
11:22:27 11	Q. A.	Do you know who Dr. Lampotang is? No, I don't.	11:24:11			tics, was going to look at the statistics he McGovern study. And then I had a draft of
11:22:28 12	Q.		11:24:15			
11:22:29 13	Q. A.	Well do you know who Dr. Mont is? Dr. Mont, yes.	11:24:24			report, I don't know that I brought it, but I but I but I but I but I buld send that to the other two to give them
11:22:31 14	_	· •				_
	Q. A.	Okay. I met him at	11:24:32		Dr. Sam	ackground on where my thinking was. And then
11:22:32 16	_		11:24:36		_	
11:22:33 17	Q.	Science Day.	11:24:38		Q.	Dr. Samet or Dr. Borak?
11:22:34 18	Α.	Science Day.	11:24:40		Α.	I'm sorry. I'm sorry. Dr. Borak.
11:22:34 19	Q.	Are you	11:24:45			MS. ZIMMERMAN: Both are Jonathans; right?
11:22:37 20	C-:	Do you know any of the experts, like besides	11:24:47	-	Λ.	THE WITNESS: Yeah, that's right.
11:22:39 21		Day in this in this case?	11:24:47			So Dr. Borak was particularly interested in
11:22:41 22	_	You mean like Holford?	11:24:51		_	at the rivaroxaban issue, which we consider a
11:22:43 23	Q.	Yes.	11:24:59		confound	ding problem.
11:22:44 24	Α.	Just met him once.	11:25:00			(Interruption by the reporter.)
11:22:47 <b>25</b>	Q.	When?	11:25:01	25		THE WITNESS: Confounding issue in the
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11:22:48 1	Α.	126 There was a meeting in Washington that	11:25:01	1	McGove	n study.
11:22:51 2	<b>A.</b> counsel	126 There was a meeting in Washington that was there and Jonathan blanking on his last	11:25:01 11:25:03	2	McGover	n study. Dr. Borak was to look at that?
_	A. counsel name no	126 There was a meeting in Washington that was there and Jonathan blanking on his last ow.		_	McGover <b>Q.</b> <b>A.</b>	128 In study. Dr. Borak was to look at that? Yeah.
11:22:51 <b>2</b> 11:22:59 <b>3</b> 11:23:00 <b>4</b>	A. counsel name no Q.	126 There was a meeting in Washington that was there and Jonathan blanking on his last ow. Borak?	11:25:03 11:25:04 11:25:04	2 3 4	McGover Q. A. Q.	n study. Dr. Borak was to look at that?
11:22:51 <b>2</b> 11:22:59 <b>3</b> 11:23:00 <b>4</b> 11:23:01 <b>5</b>	A. counsel name no Q. A.	126 There was a meeting in Washington that was there and Jonathan blanking on his last ow. Borak? Borak was there, yeah.	11:25:03 11:25:04	2 3 4 5	McGover Q. A. Q. of that?	n study. Dr. Borak was to look at that? Yeah. So you would defer to him for his analysis
11:22:51 <b>2</b> 11:22:59 <b>3</b> 11:23:00 <b>4</b> 11:23:01 <b>5</b> 11:23:01 <b>6</b>	A. counsel name no Q. A. Q.	126 There was a meeting in Washington that was there and Jonathan blanking on his last bw. Borak? Borak was there, yeah. So it was you	11:25:03 11:25:04 11:25:04	2 3 4 5 6	McGover Q. A. Q. of that?	n study. Dr. Borak was to look at that? Yeah. So you would defer to him for his analysis Not necessarily, but I think he added
11:22:51 <b>2</b> 11:22:59 <b>3</b> 11:23:00 <b>4</b> 11:23:01 <b>5</b> 11:23:01 <b>6</b> 11:23:02 <b>7</b>	A. counsel name no Q. A. Q. A.	There was a meeting in Washington that was there and Jonathan blanking on his last ow.  Borak? Borak was there, yeah. So it was you That's the first time that we met for a	11:25:03 11:25:04 11:25:04 11:25:06 11:25:06 11:25:08	2 3 4 5 6 7	McGover Q. A. Q. of that? A. somethic	n study. Dr. Borak was to look at that? Yeah. So you would defer to him for his analysis Not necessarily, but I think he added
11:22:51 <b>2</b> 11:22:59 <b>3</b> 11:23:00 <b>4</b> 11:23:01 <b>5</b> 11:23:01 <b>6</b> 11:23:02 <b>7</b> 11:23:04 <b>8</b>	A. counsel name no Q. A. Q. A. couple h	There was a meeting in Washington that was there and Jonathan blanking on his last ow.  Borak? Borak was there, yeah. So it was you That's the first time that we met for a ours in Washington.	11:25:03 11:25:04 11:25:06 11:25:06 11:25:08 11:25:09	2 3 4 5 6 7 8	McGover Q. A. Q. of that? A. somethic	n study. Dr. Borak was to look at that? Yeah. So you would defer to him for his analysis  Not necessarily, but I think he added ng. You don't
11:22:51 <b>2</b> 11:22:59 <b>3</b> 11:23:00 <b>4</b> 11:23:01 <b>5</b> 11:23:01 <b>6</b> 11:23:02 <b>7</b> 11:23:04 <b>8</b> 11:23:06 <b>9</b>	A. counsel name no Q. A. Q. A. couple h	There was a meeting in Washington that was there and Jonathan blanking on his last ow.  Borak? Borak was there, yeah. So it was you That's the first time that we met for a ours in Washington. It was you, Dr. Borak and Dr. Holford?	11:25:03 11:25:04 11:25:04 11:25:06 11:25:06 11:25:08 11:25:09	2 3 4 5 6 7 8 9	McGover Q. A. Q. of that? A. somethin	n study.  Dr. Borak was to look at that? Yeah.  So you would defer to him for his analysis  Not necessarily, but I think he added ng. You don't You wouldn't disagree with him; correct?
11:22:51 <b>2</b> 11:22:59 <b>3</b> 11:23:00 <b>4</b> 11:23:01 <b>5</b> 11:23:01 <b>6</b> 11:23:02 <b>7</b> 11:23:04 <b>8</b> 11:23:06 <b>9</b> 11:23:10 <b>10</b>	A. counsel name no Q. A. Q. A. couple h	There was a meeting in Washington that was there and Jonathan blanking on his last ow.  Borak? Borak was there, yeah. So it was you That's the first time that we met for a ours in Washington. It was you, Dr. Borak and Dr. Holford? Yeah.	11:25:03 11:25:04 11:25:06 11:25:06 11:25:08 11:25:09 11:25:09 11:25:11	2 3 4 5 6 7 8 9	McGover Q. A. Q. of that? A. somethin Q.	n study.  Dr. Borak was to look at that? Yeah.  So you would defer to him for his analysis  Not necessarily, but I think he added ng.  You don't You wouldn't disagree with him; correct? That's true.
11:22:51	A. counsel name no Q. A. Q. A. couple h	There was a meeting in Washington that was there and Jonathan blanking on his last ow.  Borak? Borak was there, yeah. So it was you That's the first time that we met for a ours in Washington. It was you, Dr. Borak and Dr. Holford? Yeah. Any other experts?	11:25:03 11:25:04 11:25:04 11:25:06 11:25:06 11:25:08 11:25:09 11:25:11 11:25:12	2 3 4 5 6 7 8 9 10 11	McGover Q. A. Q. of that? A. somethin Q. A.	n study.  Dr. Borak was to look at that? Yeah.  So you would defer to him for his analysis  Not necessarily, but I think he added ng. You don't You wouldn't disagree with him; correct? That's true.  Okay. And you wouldn't disagree with Dr
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1 .		129		131
11:25:44 1		thoracic surgeon to walk me through the	11:27:16	Well there's some experts believe, on the
11:25:48 2	-	g room to see the pre- and post-op and talk	11:27:18 2	defense side, that the air coming out of the Bair
11:25:51 3		ne use of the Bair Hugger warmer which we use.	11:27:20 3	Hugger is less than 36 degrees.
11:25:55 4		Do you think using the Bair Hugger as a	11:27:21 4	MR. COREY GORDON: Object to the form of
11:25:58 <b>5</b>	office w	armer using it off label?	11:27:22 <b>5</b>	the question, that mischaracterizes the evidence,
11:26:01 6		(Laughter.)	11:27:24 <b>6</b>	misstates the evidence.
11:26:05 7	A.	I don't know about that.	11:27:29 7	Q. Because that would be ridiculous to think
11:26:06 8		MR. COREY GORDON: You have no idea what	11:27:30	that you'd blow cold air on a patient. That would be
11:26:07	goes on	in my office.	11:27:33	unethical. Correct?
11:26:09 10	Q.	Well have you have you I mean, have	11:27:36 10	<b>A.</b> These days what we know now, yes.
11:26:09 11		cked have you done any swabs on Corey	11:27:43 11	Q. Okay. Now you didn't rely
11:26:12 12	-	s skin to see if he has a higher bioburden than	11:27:45 12	Looking at Exhibit 5, in formulating your
11:26:15 13	anyone		11:27:47 13	opinions in this case you did not rely on any of the
11:26:16 14		I don't really have to answer that, do I?	11:27:51 14	internal documents provided to you during the Walton
	Λ.	•	11:27:51 14	
11:26:17 15	0	(Laughter.)		case; is that fair?  A. That's true.
11:26:18 16	Q.	If you did, I really want you to answer it.	11:27:54 16	
11:26:20 17		(Laughter.)	11:28:07 17	Q. Okay. And in fact would it be fair to say
11:26:24 18	A.	I like your sense of humor.	11:28:09 18	that you probably haven't looked at those documents
11:26:27 19		MR. GOSS: Kind of like walking next to pig	11:28:12 19	provided to you in Walton since 2015?
11:26:30 <b>20</b>	pen.		11:28:17 <b>20</b>	<b>A.</b> That's probably true.
11:26:31 21		(Laughter.)	11:28:18 <b>21</b>	<b>Q.</b> Okay. So if I asked you what documents are
11:26:31 22		MR. COREY GORDON: I don't get no respect.	11:28:20 <b>22</b>	in that set, you would have no idea.
11:26:34 23	Q.	Did you	11:28:23 23	<b>A.</b> That's probably right.
11:26:35 24		Did you look at the Bair Hugger device with	11:28:24 <b>24</b>	Q. Okay. Do you believe that 3M gave you all
11:26:37 <b>25</b>	a blanke	et attached?	11:28:27 <b>25</b>	the information necessary to formulate your opinions
		STIREWALT & ASSOCIATES		STIREWALT & ASSOCIATES
		1-800-553-1953 info@stirewalt.com		1-800-553-1953 info@stirewalt.com
	CC	ONFIDENTIAL - SUBJECT TO PROTECTIVE ORDER		CONFIDENTIAL - SUBJECT TO PROTECTIVE ORDER
		130		132
11,20,20				
11:26:39	Α.	Yeah.	11:28:30	in this case?
11:26:39 <b>1</b> 11:26:40 <b>2</b>	A. Q.	Yeah. Okay.	11:28:30 <b>1</b> 11:28:31 <b>2</b>	in this case?  MR. COREY GORDON: Object to the form of
_	_		_	
11:26:40 2	Q. A.	Okay.	11:28:31 2	MR. COREY GORDON: Object to the form of
11:26:40 <b>2</b> 11:26:40 <b>3</b>	Q. A. Q.	Okay. Yeah.	11:28:31 <b>2</b> 11:28:31 <b>3</b>	MR. COREY GORDON: Object to the form of the question. <b>A.</b> I didn't rely on 3M to provide me all the
11:26:40 <b>2</b> 11:26:40 <b>3</b> 11:26:42 <b>4</b> 11:26:44 <b>5</b>	<b>Q. A. Q.</b> the u	Okay. Yeah. And have you felt the air coming out of nderneath the blanket?	11:28:31 <b>2</b> 11:28:31 <b>3</b> 11:28:32 <b>4</b>	MR. COREY GORDON: Object to the form of the question.
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11:26:40 2 11:26:40 3 11:26:42 4 11:26:45 6 11:26:47 7 11:26:48 8 11:26:48 9 11:26:50 11 11:26:50 11 11:26:53 12 11:26:58 14 11:26:59 15 11:27:02 16 11:27:04 17 11:27:04 18 11:27:06 19 11:27:08 20 11:27:09 21 11:27:10 22 11:27:10 22 11:27:10 23 11:27:14 24	Q. A. Q. the u A. warmth Q. A. Q. coming tempera A. 42, 43, Q. below b patient; A. Q. the air of tempera A. question Q.	Okay. Yeah. And have you felt the air coming out of inderneath the blanket? Yeah, you can feel it, yeah. Getting The you mean. Yeah. Yeah. You agree that the temperature of the air out of the blanket is warmer than the body inture. I think it is. I mean, it's set at, like, and I mean, because if the air coming out was ody temperature it would actually cool the correct? It would cool the patient. Okay. It would be ridiculous to think that coming out of the Bair Hugger is below body inture; correct? Yes. These are getting tough now, these ins.	11:28:31	MR. COREY GORDON: Object to the form of the question.  A. I didn't rely on 3M to provide me all the information. I really did much as I can to find what was in the literature in addition to whatever was given.  Q. Are you aware that 3M is doing a pilot study in the U.K.?  A. I'd heard that in one of the depositions but I don't remember I don't know any details, nothing.  Q. All right.  MR. ASSAAD: Let's take a break for the court reporter.  THE REPORTER: Thank you.  (Recess taken from 11:29 to 11:43 a.m.)  BY MR. ASSAAD:  Q. I just want to go back with respect to Exhibit Number 5. That was attached to your report in Walton. You don't disagree with that; correct?  A. I don't remember it actually, I'm sorry to say.  Q. So you did a lot of work on Walton; correct?  A. I did. I tried to look at that carefully

	CASE 0:15-md-02666-JNE-DTS Doc CONFIDENTIAL - SUBJECT TO PROTECTIVE ORDER	<del>. 823-7</del>	Filed 09/12/17 Page 36 of 95 CONFIDENTIAL - SUBJECT TO PROTECTIVE ORDER
	133		135
11:43:42 <b>1</b>	A and I just can't remember that.	11:45:31 1	<b>Q.</b> Would you agree with me that most of your
11:43:45 <b>2</b>	<b>Q.</b> And in fact you you know, a lot of the	11:45:33 2	income that you've received since 2013 was was most
11:43:48 3	work you did in Walton, except for, you know, stuff	11:45:37 3	likely from working on the Bair Hugger case?
	dealing directly with Walton with the medical records,	11:45:41 4	<b>A.</b> No, I would disagree with that. I would
11:43:54 <b>5</b>	you used in your report or you had that information	11:45:44 <b>5</b>	guess somewhere a quarter to a third maybe in the last
11:43:56 6	that you used in your report in this case; correct?	11:45:52 6	couple years
11:43:58 7	<b>A.</b> I'm sure there are parts in both, yeah.	11:45:52 7	<b>Q.</b> Okay.
11:44:00 <b>8</b>	Q. Okay. I mean, you didn't start from scratch	11:45:52	<b>A.</b> of the total.
11:44:06 9	in this case.	11:45:54	Q. Now I'm not talking about your pension
11:44:07 10	<b>A.</b> No.	11:45:55 10	income. I'm talking about non-pension income.
11:44:07 11	Q. Okay. Do you know how much you billed in	11:45:58 11	<b>A.</b> Oh, of non-pension income, yeah. This
11:44:10 12	Walton?	11:46:00 12	This is a large portion of that.
11:44:11 13	A. Total?	11:46:02 13	Q. What percentage?
11:44:11 14	<b>Q.</b> Yes.	11:46:05 14	<b>A.</b> Oh, it's probably, you know, except for
11:44:12 15	A. I don't remember. I don't Maybe somebody	11:46:09 15	It's huge. It's probably 80 percent or more, yeah.
	here has it, but.	11:46:13 16	Q. Okay. Can you give me roughly how much
11:44:18 17	<b>Q.</b> Well by the way, when did you when did	11:46:17 17	you you billed in Walton?
11:44:20 18	you retire from Virginia Commonwealth University?	11:46:17 17	<b>A.</b> I'm guessing 90,000, something like that,
11:44:23 19		11:46:19 10	but
	A. So, formally 2013.		
11:44:27 20	<b>Q.</b> 2013. So you were retired by the time you	11:46:22 20	Q. Okay.
	started the Walton case; correct?	11:46:24 21	A don't hold me to it. Go ask them.
11:44:32 22	<b>A.</b> Well, you know, if you were to ask me why'd	11:46:25 22	Q. Around that, give or take 10,000?
	you do that, it was a lot of it was timing, you	11:46:27 23	A. Go ask them. Yeah.
11:44:37 24	know, I've always been interested in taking care of	11:46:28 24	Q. Do you have those invoices still?
11:44:39 <b>25</b>	these patients. I've never done really a lot	11:46:30 <b>25</b>	<b>A.</b> I don't think so, but they do, I think, so
	STIREWALT & ASSOCIATES		STIREWALT & ASSOCIATES
	1-800-553-1953 info@stirewalt.com		1-800-553-1953 info@stirewalt.com
	CONFIDENTIAL - SUBJECT TO PROTECTIVE ORDER		CONFIDENTIAL - SUBJECT TO PROTECTIVE ORDER
	134		136
11:44:42 <b>1</b>	medical/legal.	11:46:30 <b>1</b>	you
11:44:43 <b>2</b>	Q. Well that really wasn't my question.	11:46:32 <b>2</b>	<b>Q.</b> Greenberg Traurig?
11:44:44 <b>3</b>	My question was you were retired by the time	11:46:33 <b>3</b>	A. Yeah. I would just If you need that.
11:44:46 <b>4</b>	you started the Walton case.	11:46:35 4	Q. Did you bill any time for Johnson?
11:44:48 <b>5</b>	A. Yeah, that's right.	11:46:38 <b>5</b>	A. Probably, yeah.
11:44:48 6	Q. Okay.	11:46:39 6	Q. Do you know how much you billed for Johnson?
11:44:49 7	A. Right about that time, yeah.	11:46:41 7	A. No. I think I lumped them together when
11:44:50	Q. Okay. And so after you retired was was	11:46:41 8	I
11:44:51 9	your was most of your income based on doing the	11:46:41 9	Q. Okay.
11:44:54 10	Walton case?	11:46:44 10	<b>A.</b> gave you that figure, so and I'm not
11:44:54 11	<b>A.</b> No. I was fine without it, and the motive	11:46:46 11	trying to be cagey, I just don't remember.
		11.70.40	
		11:46:40 12	
11:44:59 12	wasn't income, because I've never really done much of	11:46:49 12	Q. So basically since two thousand since you
11:44:59 <b>12</b> 11:45:02 <b>13</b>	wasn't income, because I've never really done much of this. It was just curiosity and timing.	11:46:53 13	<b>Q.</b> So basically since two thousand since you began in began working on this case
11:44:59 <b>12</b> 11:45:02 <b>13</b> 11:45:04 <b>14</b>	wasn't income, because I've never really done much of this. It was just curiosity and timing.  Q. So what were your sources of income after	11:46:53 <b>13</b> 11:46:53 <b>14</b>	<ul><li>Q. So basically since two thousand since you began in began working on this case</li><li>A. Yeah.</li></ul>
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11:44:59	wasn't income, because I've never really done much of this. It was just curiosity and timing.  Q. So what were your sources of income after you retired?  A. Oh, I have a very good retirement from	11:46:53 <b>13</b> 11:46:53 <b>14</b> 11:46:54 <b>15</b> 11:46:57 <b>16</b>	<ul> <li>Q. So basically since two thousand since you began in began working on this case</li> <li>A. Yeah.</li> <li>Q you approximate over \$300,000.</li> <li>A. Yeah.</li> </ul>
11:44:59	wasn't income, because I've never really done much of this. It was just curiosity and timing.  Q. So what were your sources of income after you retired?  A. Oh, I have a very good retirement from TIAA-CREF.	11:46:53	<ul> <li>Q. So basically since two thousand since you began in began working on this case</li> <li>A. Yeah.</li> <li>Q you approximate over \$300,000.</li> <li>A. Yeah.</li> <li>Q. And my understanding is you you billed</li> </ul>
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	137		139
11:47:26 1	"correct."	11:50:09	Q. So it seems that your first invoice on
11:47:27 <b>2</b>	A. Yeah. Yeah.	11:50:14 <b>2</b>	Exhibit Number 6 is dated December 7th, 2015; correct?
11:47:29 <b>3</b>	<b>Q.</b> Okay.	11:50:19 3	<b>A.</b> So I have the righ Oh, 6. I'm sorry. So
11:47:29 4	A. Well I just made sure that we're we're on	11:50:28 4	where What page are you on?
11:47:31 <b>5</b>	the same wavelength.	11:50:29 <b>5</b>	Q. Look on the first page of 6, it's December
11:47:32 <b>6</b>	Q. Okay. Did you	11:50:32 <b>6</b>	7th, 2015. Or that's invoice for Ms. Briley.
11:47:44 7	Did you keep an accurate accurate time of	11:50:34 7	<b>A.</b> That's for That's for Barbara Briley,
11:47:49 8	of what you did in this case?	11:50:36	yeah.
11:47:51 9	A. Yeah. I have the actual hours by month	11:50:37	Q. Okay. Well if you look on I guess your
11:47:53 10	Q. Okay.	11:50:50 10	first invoice, which is dated June 6, 2016 on Exhibit
11:47:54 11	A and by day.	11:50:55 11	6?
11:47:55 12	Q. Are they underestimated hours, or did you	11:50:56 12	A. Yeah. Let me go through it. I don't know
11:47:58 13	work on	11:50:58 13	where we are. Oh.
11:47:59 14	<b>A.</b> Oh, no. I When I sit down, you know, if	11:51:00 14	How many pages in are you?
11:48:01 15	it's 12:15 I put 12:15. If I get up for a break at 1,	11:51:01 15	Q. About six.
11:48:06 16	I put 1.	11:51:07 16	A. Okay.
11:48:07 17	Q. Okay. And you also had an assistant that	11:51:11 17	<b>Q.</b> Okay. And that's your invoice is for each month from December 2015 to May 2016; correct?
11:48:28 18	worked on this case; correct? <b>A.</b> Yes.		•
11:48:29 19		11:51:19 19	A. Should be, yeah.
11:48:29 <b>20</b> 11:48:30 <b>21</b>	Q. Ms. Briley? A. Yes.	11:51:19 20	<b>Q.</b> Okay. So basically the first invoice
11:48:30 <b>2 I</b> 11:48:30 <b>22</b>	Q. And who is she?	11:51:22 <b>21</b> 11:51:25 <b>22</b>	provided to defendants in this or to the plaintiffs in this case that we have is for December of 2015;
11:48:30 22	A. She's been my assistant for a long time, and	11:51:25 22	correct?
11:48:32 23	I don't pay her a salary any more, so she helps me do	11:51:29 23	<b>A.</b> Yeah. Looks like that's the first one
11:48:42 <b>25</b>	the legal things that I need done, you know, getting	11:51:34 24	there.
11.40.42	STIREWALT & ASSOCIATES	11.51.50 20	STIREWALT & ASSOCIATES
	1-800-553-1953 info@stirewalt.com		1-800-553-1953 info@stirewalt.com
	<u> </u>		
	CONFIDENTIAL - SUBJECT TO PROTECTIVE ORDER		CONFIDENTIAL - SUBJECT TO PROTECTIVE ORDER
	CONFIDENTIAL - SUBJECT TO PROTECTIVE ORDER 138		CONFIDENTIAL - SUBJECT TO PROTECTIVE ORDER 140
11:48:45 <b>1</b>		11:51:36 <b>1</b>	
11:48:45 <b>1</b> 11:48:50 <b>2</b>	138	11:51:36 <b>1</b> 11:51:40 <b>2</b>	140
_	138 the manuscripts, writing various drafts of the paper,	_	140 <b>Q.</b> But there are invoices that you've worked on
11:48:50 <b>2</b>	138 the manuscripts, writing various drafts of the paper, planning any kind of travel that I might have to do	11:51:40 2	Q. But there are invoices that you've worked on a Bair Hugger case prior to December 2015.
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	00	141		00	143
11:52:36	Α.	That's true.	11:55:00 1	correct?	140
11:52:37	Q.	Okay. Do you have a company that it goes	11:55:01 2	<b>A.</b>	I'm not an expert in aerobiology.
11:52:39 3	-•	just goes to you personally?	11:55:03	Q.	You're not an expert in microbiology;
11:52:42 4	<b>A.</b>	No.	11:55:05 4	correct?	Tod To Hot dir expert in Timerobiology,
11:52:42 <b>5</b>	Q.	Okay.	11:55:06 <b>5</b>	Α.	In what?
11:52:42 6	-	I haven't become sophisticated like that.	11:55:06 6	Q.	Microbiology?
11:52:44 7		And it seems like you spent the total	11:55:07 7	A.	Well, I'd caution you there. I mean, I
11:52:46		of hours spent is 380 hours 380.75 hours.	11:55:10 8	think mi	crobiology is the basis of infectious
11:52:59		ind about right?	11:55:13		, and in that interface between micro and
11:53:01 10	A.	Probably right.	11:55:17 10	infectiou	s disease I am an expert.
11:53:02 11	Q.	Okay. And Ms. Briley spent about 196 hours;	11:55:19 11	Q.	But you're not an microbiologist.
11:53:06 12	correct?		11:55:20 12	A.	I'm not a
11:53:06 13	A.	Well I didn't add that up, so I'm assuming	11:55:21 13		I don't have a degree in microbiology.
11:53:07 14	you're ri	ght.	11:55:23 14	Q.	Okay. You don't consider yourself an expert
11:53:08 15	Q.	Okay.	11:55:29 15	in orthop	pedics; correct?
11:53:09 16	A.	If it matches this, you know.	11:55:32 16	A.	Only the interface, again, between
11:53:10 17	Q.	Okay. So that's the total of, you know,	11:55:34 17	orthoped	lics and infectious diseases. I'm not an
11:53:12 18	over 500	) hours between you and Ms. Briley.	11:55:39 18	orthoped	lic surgeon.
11:53:16 19	A.	Umm-hmm.	11:55:40 19	Q.	You don't consider yourself an expert in
11:53:16 20	Q.	Is that correct?	11:55:42 <b>20</b>	medical	device design; correct?
11:53:17 <b>21</b>	A.	Yeah.	11:55:43 <b>21</b>		That's true.
11:53:19 22	Q.	Okay. And approximately how many hours did	11:55:44 <b>22</b>		You don't consider yourself an expert in
11:53:19 23		nd on the Walton-Johnson case?	11:55:45 23	medical	device warnings; correct?
11:53:23 24		I don't know. I mean, that's why I said the	11:55:47 <b>24</b>	Α.	Warnings, no.
11:53:25 <b>25</b>	total mig	ght have been close to \$90,000, so.	11:55:48 <b>25</b>	Q.	You don't consider yourself an expert in
		STIREWALT & ASSOCIATES			STIREWALT & ASSOCIATES
		1-800-553-1953 info@stirewalt.com			-800-553-1953 info@stirewalt.com
	CC				
		ONFIDENTIAL - SUBJECT TO PROTECTIVE ORDER 142		CO	NFIDENTIAL - SUBJECT TO PROTECTIVE ORDER 144
11:53:28 <b>1</b>	<b>Q</b> .		11:55:50 <b>1</b>		
11:53:28 <b>1</b> 11:53:30 <b>2</b>		142	11:55:50 <b>1</b> 11:55:50 <b>2</b>		144
	Q.	142 And you charge how much per hour?	_	patient v	144 varming; correct?
11:53:30 2	Q. A. Q.	And you charge how much per hour? Six hundred.	11:55:50 <b>2</b>	patient v A. Q.	144 varming; correct? In what?
11:53:30 <b>2</b> 11:53:30 <b>3</b>	Q. A. Q. hours.	And you charge how much per hour? Six hundred. So 90,000 divided by 600 equals about 150	11:55:50 <b>2</b> 11:55:51 <b>3</b>	patient v A. Q.	144 varming; correct? In what? Patient warming.
11:53:30 <b>2</b> 11:53:30 <b>3</b> 11:53:35 <b>4</b>	Q. A. Q. hours.	142 And you charge how much per hour? Six hundred. So 90,000 divided by 600 equals about 150 This sound about right, give or take?	11:55:50 <b>2</b> 11:55:51 <b>3</b> 11:55:52 <b>4</b>	patient v A. Q. A.	144 varming; correct? In what? Patient warming. A expert in patient warming? Yeah.
11:53:30 <b>2</b> 11:53:30 <b>3</b> 11:53:35 <b>4</b> 11:53:37 <b>5</b>	Q. A. Q. hours.	And you charge how much per hour? Six hundred. So 90,000 divided by 600 equals about 150 This sound about right, give or take? That sounds about right.	11:55:50 <b>2</b> 11:55:51 <b>3</b> 11:55:52 <b>4</b> 11:55:54 <b>5</b>	patient v A. Q. A. Q. A.	144 varming; correct? In what? Patient warming. A expert in patient warming? Yeah.
11:53:30 <b>2</b> 11:53:30 <b>3</b> 11:53:35 <b>4</b> 11:53:37 <b>5</b> 11:53:38 <b>6</b>	Q. A. Q. hours. 7 A. Q.	And you charge how much per hour? Six hundred. So 90,000 divided by 600 equals about 150 This sound about right, give or take? That sounds about right. Okay. So so far between you and M Did Ms. Briley work on the Walton case? I think she did, yes.	11:55:50 <b>2</b> 11:55:51 <b>3</b> 11:55:52 <b>4</b> 11:55:54 <b>5</b> 11:55:55 <b>6</b>	patient v A. Q. A. Q. A. the infec	144 varming; correct? In what? Patient warming. A expert in patient warming? Yeah. Only as it is influenced in this case with
11:53:30 <b>2</b> 11:53:30 <b>3</b> 11:53:35 <b>4</b> 11:53:37 <b>5</b> 11:53:38 <b>6</b> 11:53:40 <b>7</b>	Q. A. Q. hours. 7 A. Q.	And you charge how much per hour? Six hundred. So 90,000 divided by 600 equals about 150 This sound about right, give or take? That sounds about right. Okay. So so far between you and M Did Ms. Briley work on the Walton case? I think she did, yes. Do you know how many hours that she billed?	11:55:50 <b>2</b> 11:55:51 <b>3</b> 11:55:52 <b>4</b> 11:55:54 <b>5</b> 11:55:55 <b>6</b> 11:55:58 <b>7</b>	patient v A. Q. A. Q. A. the infec	varming; correct? In what? Patient warming. A expert in patient warming? Yeah. Only as it is influenced in this case with tious disease part, but not
11:53:30	Q. A. Q. hours.	And you charge how much per hour? Six hundred. So 90,000 divided by 600 equals about 150 This sound about right, give or take? That sounds about right. Okay. So so far between you and M Did Ms. Briley work on the Walton case? I think she did, yes. Do you know how many hours that she billed? I don't, actually. Don't remember that.	11:55:50 <b>2</b> 11:55:51 <b>3</b> 11:55:52 <b>4</b> 11:55:54 <b>5</b> 11:55:56 <b>6</b> 11:55:58 <b>7</b> 11:56:00 <b>8</b>	patient v A. Q. A. Q. A. the infect Q. be A.	varming; correct? In what? Patient warming. A expert in patient warming? Yeah. Only as it is influenced in this case with tious disease part, but not And everything that you opine is going to warming.
11:53:30	Q. A. Q. hours. T A. Q. A. Q.	And you charge how much per hour? Six hundred. So 90,000 divided by 600 equals about 150 This sound about right, give or take? That sounds about right. Okay. So so far between you and M Did Ms. Briley work on the Walton case? I think she did, yes. Do you know how many hours that she billed? I don't, actually. Don't remember that. So between you and Ms. Briley, and not	11:55:50	patient v A. Q. A. Q. the infect Q. be A. Q.	varming; correct? In what? Patient warming. A expert in patient warming? Yeah. Only as it is influenced in this case with tious disease part, but not And everything that you opine is going to warming is going to be based on a literature
11:53:30	Q. A. Q. hours. T A. Q. A. Q. counting	And you charge how much per hour? Six hundred. So 90,000 divided by 600 equals about 150 This sound about right, give or take? That sounds about right. Okay. So so far between you and M Did Ms. Briley work on the Walton case? I think she did, yes. Do you know how many hours that she billed? I don't, actually. Don't remember that. So between you and Ms. Briley, and not	11:55:50	patient v A. Q. A. Q. A. the infect Q. be A. Q. review a	varming; correct? In what? Patient warming. A expert in patient warming? Yeah. Only as it is influenced in this case with tious disease part, but not And everything that you opine is going to warming is going to be based on a literature and not your own personal
11:53:30	Q. A. Q. hours. 7 A. Q. A. Q. counting	And you charge how much per hour? Six hundred. So 90,000 divided by 600 equals about 150 This sound about right, give or take? That sounds about right. Okay. So so far between you and M Did Ms. Briley work on the Walton case? I think she did, yes. Do you know how many hours that she billed? I don't, actually. Don't remember that. So between you and Ms. Briley, and not the time on Walton, the two of you spent over rs on this case.	11:55:50	patient v A. Q. A. Q. A. the infect Q. be A. Q. review a	varming; correct? In what? Patient warming. A expert in patient warming? Yeah. Only as it is influenced in this case with tious disease part, but not And everything that you opine is going to warming is going to be based on a literature and not your own personal That's true.
11:53:30	Q. A. Q. hours. A. Q. A. Q. counting	And you charge how much per hour? Six hundred. So 90,000 divided by 600 equals about 150 This sound about right, give or take? That sounds about right. Okay. So so far between you and M Did Ms. Briley work on the Walton case? I think she did, yes. Do you know how many hours that she billed? I don't, actually. Don't remember that. So between you and Ms. Briley, and not ther time on Walton, the two of you spent over rs on this case. Yeah. Sounds about right.	11:55:50	patient v A. Q. A. Q. A. the infect Q. be A. Q. review a A. Q.	varming; correct? In what? Patient warming. A expert in patient warming? Yeah. Only as it is influenced in this case with tious disease part, but not And everything that you opine is going to warming is going to be based on a literature and not your own personal That's true directed research.
11:53:30	Q. A. Q. hours. A. Q. A. Q. counting 720 hou A. Q.	And you charge how much per hour? Six hundred. So 90,000 divided by 600 equals about 150 This sound about right, give or take? That sounds about right. Okay. So so far between you and M Did Ms. Briley work on the Walton case? I think she did, yes. Do you know how many hours that she billed? I don't, actually. Don't remember that. So between you and Ms. Briley, and not ther time on Walton, the two of you spent over rs on this case. Yeah. Sounds about right. Okay. Did you ever recommend to 3M to	11:55:50	patient v A. Q. A. Q. A. the infect Q. be A. Q. review a	varming; correct? In what? Patient warming. A expert in patient warming? Yeah. Only as it is influenced in this case with tious disease part, but not And everything that you opine is going to warming is going to be based on a literature and not your own personal That's true directed research. Yes, that's
11:53:30	Q. A. Q. hours. The second of	And you charge how much per hour? Six hundred. So 90,000 divided by 600 equals about 150 This sound about right, give or take? That sounds about right. Okay. So so far between you and M Did Ms. Briley work on the Walton case? I think she did, yes. Do you know how many hours that she billed? I don't, actually. Don't remember that. So between you and Ms. Briley, and not ther time on Walton, the two of you spent over rs on this case. Yeah. Sounds about right. Okay. Did you ever recommend to 3M to to do a study?	11:55:50	patient v A. Q. A. Q. A. the infect Q. be A. Q. review a A. Q.	varming; correct? In what? Patient warming. A expert in patient warming? Yeah. Only as it is influenced in this case with tious disease part, but not And everything that you opine is going to warming is going to be based on a literature and not your own personal That's true directed research. Yes, that's (Interruption by the reporter.)
11:53:30	Q. A. Q. hours. A. Q. A. Q. counting 720 hou A. Q. let's to	And you charge how much per hour? Six hundred. So 90,000 divided by 600 equals about 150 This sound about right, give or take? That sounds about right. Okay. So so far between you and M Did Ms. Briley work on the Walton case? I think she did, yes. Do you know how many hours that she billed? I don't, actually. Don't remember that. So between you and Ms. Briley, and not her time on Walton, the two of you spent over rs on this case. Yeah. Sounds about right. Okay. Did you ever recommend to 3M to o do a study? No.	11:55:50	patient v A. Q. A. Q. A. the infect Q. be A. Q. review a A. Q.	varming; correct? In what? Patient warming. A expert in patient warming? Yeah. Only as it is influenced in this case with tious disease part, but not And everything that you opine is going to warming is going to be based on a literature and not your own personal That's true directed research. Yes, that's (Interruption by the reporter.) (Discussion off the stenographic
11:53:30	Q. A. Q. hours. A. Q. A. Q. counting 720 hou A. Q. let's to	And you charge how much per hour? Six hundred. So 90,000 divided by 600 equals about 150 This sound about right, give or take? That sounds about right. Okay. So so far between you and M Did Ms. Briley work on the Walton case? I think she did, yes. Do you know how many hours that she billed? I don't, actually. Don't remember that. So between you and Ms. Briley, and not ther time on Walton, the two of you spent over rs on this case. Yeah. Sounds about right. Okay. Did you ever recommend to 3M to o do a study? No. Okay. Why not?	11:55:50	patient v A. Q. A. Q. A. the infect Q. be A. Q. review a A. Q. A.	varming; correct? In what? Patient warming. A expert in patient warming? Yeah. Only as it is influenced in this case with tious disease part, but not And everything that you opine is going to warming is going to be based on a literature and not your own personal That's true directed research. Yes, that's (Interruption by the reporter.) (Discussion off the stenographic record.)
11:53:30	Q. A. Q. hours. A. Q. A. Q. counting 720 hou A. Q. let's to A. Q.	And you charge how much per hour? Six hundred. So 90,000 divided by 600 equals about 150 This sound about right, give or take? That sounds about right. Okay. So so far between you and M Did Ms. Briley work on the Walton case? I think she did, yes. Do you know how many hours that she billed? I don't, actually. Don't remember that. So between you and Ms. Briley, and not ther time on Walton, the two of you spent over rs on this case. Yeah. Sounds about right. Okay. Did you ever recommend to 3M to o do a study? No. Okay. Why not? I haven't met with 3M.	11:55:50	patient v A. Q. A. Q. A. the infect Q. be A. Q. review a A. Q.	varming; correct? In what? Patient warming. A expert in patient warming? Yeah. Only as it is influenced in this case with tious disease part, but not And everything that you opine is going to  warming is going to be based on a literature and not your own personal That's true directed research. Yes, that's (Interruption by the reporter.) (Discussion off the stenographic record.) Correct?
11:53:30	Q. A. Q. hours. The second of	And you charge how much per hour? Six hundred. So 90,000 divided by 600 equals about 150 This sound about right, give or take? That sounds about right. Okay. So so far between you and M Did Ms. Briley work on the Walton case? I think she did, yes. Do you know how many hours that she billed? I don't, actually. Don't remember that. So between you and Ms. Briley, and not ther time on Walton, the two of you spent over rs on this case. Yeah. Sounds about right. Okay. Did you ever recommend to 3M to to do a study? No. Okay. Why not? I haven't met with 3M. Or their attorneys.	11:55:50	patient v A. Q. A. the infect Q. be A. Q. review a A. Q. A.	varming; correct? In what? Patient warming. A expert in patient warming? Yeah. Only as it is influenced in this case with tious disease part, but not And everything that you opine is going to  warming is going to be based on a literature and not your own personal That's true directed research. Yes, that's (Interruption by the reporter.) (Discussion off the stenographic record.) Correct? Yes.
11:53:30	Q. A. Q. hours. 7 A. Q. A. Q. counting 720 hou A. Q. let's to A. Q. A.	And you charge how much per hour? Six hundred. So 90,000 divided by 600 equals about 150 This sound about right, give or take? That sounds about right. Okay. So so far between you and M Did Ms. Briley work on the Walton case? I think she did, yes. Do you know how many hours that she billed? I don't, actually. Don't remember that. So between you and Ms. Briley, and not her time on Walton, the two of you spent over rs on this case. Yeah. Sounds about right. Okay. Did you ever recommend to 3M to o do a study? No. Okay. Why not? I haven't met with 3M. Or their attorneys. Ask the attorneys to do a study?	11:55:50	patient v A. Q. A. the infect Q. be A. Q. review a A. Q. A.	varming; correct? In what? Patient warming. A expert in patient warming? Yeah. Only as it is influenced in this case with tious disease part, but not And everything that you opine is going to  warming is going to be based on a literature and not your own personal That's true directed research. Yes, that's (Interruption by the reporter.) (Discussion off the stenographic record.) Correct? Yes. Okay. You're not an expert in operating
11:53:30	Q. A. Q. hours. 7 A. Q. A. Q. counting 720 hou A. Q. let's to A. Q. A. Q.	And you charge how much per hour? Six hundred. So 90,000 divided by 600 equals about 150 This sound about right, give or take? That sounds about right. Okay. So so far between you and M Did Ms. Briley work on the Walton case? I think she did, yes. Do you know how many hours that she billed? I don't, actually. Don't remember that. So between you and Ms. Briley, and not her time on Walton, the two of you spent over rs on this case. Yeah. Sounds about right. Okay. Did you ever recommend to 3M to o do a study? No. Okay. Why not? I haven't met with 3M. Or their attorneys. Ask the attorneys to do a study? I mean, hey, why don't you recommend you	11:55:50	patient v A. Q. A. Q. A. the infect Q. be A. Q. review a A. Q. A. room de:	varming; correct? In what? Patient warming. A expert in patient warming? Yeah. Only as it is influenced in this case with tious disease part, but not And everything that you opine is going to  warming is going to be based on a literature and not your own personal That's true directed research. Yes, that's (Interruption by the reporter.) (Discussion off the stenographic record.) Correct? Yes. Okay. You're not an expert in operating sign; correct?
11:53:30	Q. A. Q. hours. A. Q. A. Q. counting 720 hou A. Q. let's te A. Q. A. Q. should re	And you charge how much per hour? Six hundred. So 90,000 divided by 600 equals about 150 This sound about right, give or take? That sounds about right. Okay. So so far between you and M Did Ms. Briley work on the Walton case? I think she did, yes. Do you know how many hours that she billed? I don't, actually. Don't remember that. So between you and Ms. Briley, and not ther time on Walton, the two of you spent over rs on this case. Yeah. Sounds about right. Okay. Did you ever recommend to 3M to o do a study? No. Okay. Why not? I haven't met with 3M. Or their attorneys. Ask the attorneys to do a study? I mean, hey, why don't you recommend you ecommend to 3M to do a study?	11:55:50	patient v A. Q. A. Q. A. the infect Q. be A. Q. review a A. Q. A. C. A.	varming; correct? In what? Patient warming. A expert in patient warming? Yeah. Only as it is influenced in this case with tious disease part, but not And everything that you opine is going to  warming is going to be based on a literature and not your own personal That's true directed research. Yes, that's (Interruption by the reporter.) (Discussion off the stenographic record.) Correct? Yes. Okay. You're not an expert in operating sign; correct? Correct.
11:53:30	Q. A. Q. hours. The second of	And you charge how much per hour? Six hundred. So 90,000 divided by 600 equals about 150 This sound about right, give or take? That sounds about right. Okay. So so far between you and M Did Ms. Briley work on the Walton case? I think she did, yes. Do you know how many hours that she billed? I don't, actually. Don't remember that. So between you and Ms. Briley, and not ther time on Walton, the two of you spent over rs on this case. Yeah. Sounds about right. Okay. Did you ever recommend to 3M to to do a study? No. Okay. Why not? I haven't met with 3M. Or their attorneys. Ask the attorneys to do a study? I mean, hey, why don't you recommend you ecommend to 3M to do a study? I have never asked them that.	11:55:50	patient v A. Q. A. Q. A. the infect Q. be A. Q. review a A. Q. A. C. A. Q. A. Q. A. Q.	varming; correct? In what? Patient warming. A expert in patient warming? Yeah. Only as it is influenced in this case with tious disease part, but not And everything that you opine is going to  warming is going to be based on a literature and not your own personal That's true directed research. Yes, that's (Interruption by the reporter.) (Discussion off the stenographic record.) Correct? Yes. Okay. You're not an expert in operating sign; correct? Correct. Have you read any of the ASHRAE articles or
11:53:30	Q. A. Q. hours. A. Q. A. Q. counting 720 hou A. Q. let's te A. Q. A. Q. should re	And you charge how much per hour? Six hundred. So 90,000 divided by 600 equals about 150 This sound about right, give or take? That sounds about right. Okay. So so far between you and M Did Ms. Briley work on the Walton case? I think she did, yes. Do you know how many hours that she billed? I don't, actually. Don't remember that. So between you and Ms. Briley, and not ther time on Walton, the two of you spent over rs on this case. Yeah. Sounds about right. Okay. Did you ever recommend to 3M to o do a study? No. Okay. Why not? I haven't met with 3M. Or their attorneys. Ask the attorneys to do a study? I mean, hey, why don't you recommend you ecommend to 3M to do a study?	11:55:50	patient v A. Q. A. Q. A. the infect Q. be A. Q. review a A. Q. A. C. A. Q. A. Q. A. Q.	varming; correct? In what? Patient warming. A expert in patient warming? Yeah. Only as it is influenced in this case with tious disease part, but not And everything that you opine is going to  warming is going to be based on a literature and not your own personal That's true directed research. Yes, that's (Interruption by the reporter.) (Discussion off the stenographic record.) Correct? Yes. Okay. You're not an expert in operating sign; correct? Correct. Have you read any of the ASHRAE articles or regarding operating room design?
11:53:30	Q. A. Q. hours. The second of	And you charge how much per hour? Six hundred. So 90,000 divided by 600 equals about 150 This sound about right, give or take? That sounds about right. Okay. So so far between you and M Did Ms. Briley work on the Walton case? I think she did, yes. Do you know how many hours that she billed? I don't, actually. Don't remember that. So between you and Ms. Briley, and not her time on Walton, the two of you spent over rs on this case. Yeah. Sounds about right. Okay. Did you ever recommend to 3M to o do a study? No. Okay. Why not? I haven't met with 3M. Or their attorneys. Ask the attorneys to do a study? I mean, hey, why don't you recommend you ecommend to 3M to do a study? I have never asked them that. Okay. You're not an expert in aerobiology;	11:55:50	patient v A. Q. A. Q. A. the infect Q. be A. Q. review a A. Q. A. Chapters	varming; correct? In what? Patient warming. A expert in patient warming? Yeah. Only as it is influenced in this case with tious disease part, but not And everything that you opine is going to  warming is going to be based on a literature and not your own personal That's true directed research. Yes, that's (Interruption by the reporter.) (Discussion off the stenographic record.) Correct? Yes. Okay. You're not an expert in operating sign; correct? Correct. Have you read any of the ASHRAE articles or

	CC	CASE 0:15-md-02666-JNE-DTS DOC NEIDENTIAL SUBJECT TO PROTECTIVE ORDER	<del>: 823-7</del>	Filed 0	9/12/17 Page 39 of 95 ONFIDENTIAL - SUBJECT TO PROTECTIVE ORDER
1	Α.	Don't think so.	1	including	147
11:56:26 <b>1</b>			11:58:41 <b>1</b>		g, at least, a downflow current towards the hipping up some kind of particles into the air
_		Are you aware that it is estimated between on to 900 million skin squames are shed		-	operative site, and therefore they think that
4		·			
11:56:40 4	uuriiig a	two- to four-hour surgery?	11:58:56 4		Hugger, having done that, relates to
11:56:42 5		MR. COREY GORDON: Object to the form of	11:59:01 5		s. That's my understanding.
11:56:44 6	the ques		11:59:03 6		You don't disagree that the Bair Hugger
11:56:44 7		So I didn't go to the primary literature but	11:59:04 7	_	es heat; correct?
11:56:47	_	n that in a couple depositions.	11:59:06	Α.	It does generate some heat.
11:56:49	Q.	Do you disagree with that?	11:59:08	Q.	Well do you know how much heat?
1:56:50 10	A.	No reason to disagree or agree.	11:59:10 10	A.	I don't.
1:56:52 11	Q.	Okay. You have no experience in	11:59:10 11	Q.	Okay. Well you used the term "some." Do
1:57:02 12	operatin	g-room airflow; correct?	11:59:13 12	you kno	w You're just you're not
1:57:05 13	A.	Any experience, no.	11:59:15 13		You're not quantifying it; correct?
1:57:06 14	Q.	Okay. You don't consider you're an expert	11:59:16 14	Α.	I'm not.
1:57:07 15	in opera	ting airflow?	11:59:17 15	Q.	Okay. You do agree that the Bair Hugger,
1:57:09 16	A.	That's true.	11:59:20 16	the hole	s are facing down; correct?
1:57:10 17	Q.	I think I've asked you this before, but	11:59:22 17	Α.	Yes.
1:57:11 18	you're n	ot an expert in particle flow; correct?	11:59:22 18	Q.	Onto the patient?
1:57:13 19	Α.	In particle flow, no. I'm not.	11:59:23 19	A.	Yes.
1:57:16 20	Q.	Do you agree with me that Dr. Elghobashi is	11:59:24 20	Q.	In an orthopedic surgery.
1:57:18 21	-	t in particle flow and turbulent air?	11:59:25 <b>21</b>	A.	Yes.
1:57:21 22		MR. COREY GORDON: Object to the form of	11:59:25 22	Q.	Okay. So you do agree that it creates
1:57:22 23	the aues	stion, lack of foundation.	11:59:27 23	-	air currents.
1:57:22 24	-	I have no idea of his expertise.	11:59:29 24	_ `	I think it does.
1:57:24 <b>25</b>		Well you've rea you've seen his report;	11:59:30 <b>25</b>	Q.	Okay. And you agree that
1:57:24 <b>ZJ</b>	Q.	STIREWALT & ASSOCIATES	11:59:30 23	Q.	STIREWALT & ASSOCIATES
	,				
		1-800-553-1953 info@stirewalt.com			1-800-553-1953 info@stirewalt.com
	CC	ONFIDENTIAL - SUBJECT TO PROTECTIVE ORDER		CC	ONFIDENTIAL - SUBJECT TO PROTECTIVE ORDEI
		146			148
1:57:26	correct?	V 1 7 12 10 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	11:59:37		Do you know what the first law of
1:57:26 2	Α.	Yeah. I didn't understand most of it.	11:59:38 2	_	lynamics is?
1:57:26 3	Q.	Did you	11:59:39		No. I know you like to ask that question,
1:57:27 4		And you didn't have an opportunity to	11:59:42		n't know it.
1:57:29 <b>5</b>		our expert's report to defense expert's	11:59:44 <b>5</b>		How do you know I like to ask that question?
1:57:31 6	report; o		11:59:46		Somewhere in you were deposing somebody
1:57:32 7	Α.	No. Only what I saw on Science Day,	11:59:48 7		as one of your earlier questions.
1:57:35	basically		11:59:50	Q.	Okay. Do you agree that hot air is less
1:57:36					oray. Do you agree that not all 15 less
	Q.	Okay. And you're not an expert in turbulent	11:59:54 <b>9</b>		nan cold air? If you know.
1:57:44 10	<b>Q.</b> flow; co		11:59:54 <b>9</b> 11:59:57 <b>10</b>	dense th	
	flow; cor			dense th	nan cold air? If you know.
1:57:45 11	flow; cor	rect? In turbulent flow? No, I'm not an expert in	11:59:57 10	dense th	nan cold air? If you know. Yes, I think. Less dense, yes.
1:57:45 <b>11</b> 1:57:48 <b>12</b>	flow; con <b>A.</b> turbulen	rect? In turbulent flow? No, I'm not an expert in	11:59:57 <b>10</b> 12:00:01 <b>11</b>	dense th A. Q.	nan cold air? If you know. Yes, I think. Less dense, yes. You've seen a hot air balloon; correct?
1:57:45 <b>11</b> 1:57:48 <b>12</b> 1:57:49 <b>13</b>	flow; con <b>A.</b> turbulen	rrect? In turbulent flow? No, I'm not an expert in t flow.	11:59:57 <b>10</b> 12:00:01 <b>11</b> 12:00:04 <b>12</b>	dense th A. Q. A.	nan cold air? If you know. Yes, I think. Less dense, yes. You've seen a hot air balloon; correct? Yes.
1:57:45	flow; con A. turbulen Q. case?	rrect? In turbulent flow? No, I'm not an expert in t flow. Okay. Have you read the Complaint in this	11:59:57 <b>10</b> 12:00:01 <b>11</b> 12:00:04 <b>12</b> 12:00:04 <b>13</b>	dense th A. Q. A. Q.	yes, I think. Less dense, yes. You've seen a hot air balloon; correct? Yes. Okay. And hot air balloons actually rise;
1:57:45	flow; con A. turbulen Q. case? A.	In turbulent flow? No, I'm not an expert in t flow.  Okay. Have you read the Complaint in this  I think I may have read it at the time of	11:59:57 <b>10</b> 12:00:01 <b>11</b> 12:00:04 <b>12</b> 12:00:04 <b>13</b> 12:00:05 <b>14</b>	dense the A. Q. A. Q. correct?	yean cold air? If you know. Yes, I think. Less dense, yes. You've seen a hot air balloon; correct? Yes. Okay. And hot air balloons actually rise; Yeah, they do.
1:57:45 11 1:57:48 12 1:57:49 13 1:58:01 14 1:58:06 15 1:58:09 16	flow; con A. turbulen Q. case? A. Walton,	In turbulent flow? No, I'm not an expert in t flow.  Okay. Have you read the Complaint in this  I think I may have read it at the time of and I remember seeing that.	11:59:57 10 12:00:01 11 12:00:04 12 12:00:04 13 12:00:05 14 12:00:06 15	dense the A. Q. A. Q. correct? A. Q.	yes, I think. Less dense, yes. You've seen a hot air balloon; correct? Yes. Okay. And hot air balloons actually rise; Yeah, they do. Okay. You're not going to disagree with the
1:57:45 11 1:57:48 12 1:57:49 13 1:58:01 14 1:58:06 15 1:58:09 16 1:58:12 17	flow; con A. turbulen Q. case? A. Walton, Q.	In turbulent flow? No, I'm not an expert in t flow.  Okay. Have you read the Complaint in this  I think I may have read it at the time of and I remember seeing that.  Okay.	11:59:57 10 12:00:01 11 12:00:04 12 12:00:04 13 12:00:05 14 12:00:06 15 12:00:07 16 12:00:08 17	dense the A. Q. A. Q. correct? A. Q. laws of the correct dense dense the correct dense den	yes, I think. Less dense, yes. You've seen a hot air balloon; correct? Yes. Okay. And hot air balloons actually rise; Yeah, they do. Okay. You're not going to disagree with the chermodynamics; are you?
1:57:45 11 1:57:48 12 1:57:49 13 1:58:01 14 1:58:06 15 1:58:09 16 1:58:12 17	flow; cor A. turbulen Q. case? A. Walton, Q.	In turbulent flow? No, I'm not an expert in t flow.  Okay. Have you read the Complaint in this  I think I may have read it at the time of and I remember seeing that.  Okay.  More recently I don't think I looked at	11:59:57 10 12:00:01 11 12:00:04 12 12:00:04 13 12:00:05 14 12:00:06 15 12:00:07 16 12:00:08 17 12:00:10 18	dense the A. Q. A. Q. correct? A. Q. laws of the A.	yes, I think. Less dense, yes. You've seen a hot air balloon; correct? Yes. Okay. And hot air balloons actually rise; Yeah, they do. Okay. You're not going to disagree with the chermodynamics; are you? I have no idea what the law of
1:57:45 11 1:57:48 12 1:57:49 13 1:58:01 14 1:58:06 15 1:58:09 16 1:58:12 17 1:58:13 18 1:58:14 19	flow; cor A. turbulen Q. case? A. Walton, Q. A. anything	In turbulent flow? No, I'm not an expert in t flow.  Okay. Have you read the Complaint in this  I think I may have read it at the time of and I remember seeing that.  Okay.  More recently I don't think I looked at	11:59:57 10 12:00:01 11 12:00:04 12 12:00:05 14 12:00:06 15 12:00:07 16 12:00:08 17 12:00:10 18 12:00:11 19	dense the A. Q. A. Q. correct? A. Q. laws of the A. thermodel	yes, I think. Less dense, yes. You've seen a hot air balloon; correct? Yes. Okay. And hot air balloons actually rise; Yeah, they do. Okay. You're not going to disagree with the thermodynamics; are you? I have no idea what the law of synamics is.
1:57:45 11 1:57:48 12 1:57:49 13 1:58:01 14 1:58:06 15 1:58:09 16 1:58:12 17 1:58:13 18 1:58:14 19 1:58:15 20	flow; cor A. turbulen Q. case? A. Walton, Q. A. anything	In turbulent flow? No, I'm not an expert in t flow.  Okay. Have you read the Complaint in this  I think I may have read it at the time of and I remember seeing that.  Okay.  More recently I don't think I looked at I.  What is your understanding of plaintiffs'	11:59:57 10 12:00:01 11 12:00:04 12 12:00:04 13 12:00:05 14 12:00:07 16 12:00:08 17 12:00:10 18 12:00:11 19 12:00:12 20	dense the A. Q. A. Q. correct? A. Q. laws of the A. thermode Q.	yes, I think. Less dense, yes. You've seen a hot air balloon; correct? Yes. Okay. And hot air balloons actually rise; Yeah, they do. Okay. You're not going to disagree with the chermodynamics; are you? I have no idea what the law of lynamics is. Okay. Okay. You're going to defer to the
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1:57:45 11 1:57:48 12 1:57:49 13 1:58:01 14 1:58:06 15 1:58:09 16 1:58:12 17 1:58:13 18 1:58:14 19 1:58:15 20 1:58:17 21 1:58:17 21	flow; cor A. turbulen Q. case? A. Walton, Q. A. anything Q. claims ir	In turbulent flow? No, I'm not an expert in t flow.  Okay. Have you read the Complaint in this  I think I may have read it at the time of and I remember seeing that.  Okay.  More recently I don't think I looked at I.  What is your understanding of plaintiffs' this case with respect to the mechanism of a Bair Hugger causing a an infection?	11:59:57 10 12:00:01 11 12:00:04 12 12:00:04 13 12:00:05 14 12:00:06 15 12:00:07 16 12:00:08 17 12:00:10 18 12:00:11 19 12:00:12 20 12:00:13 21 12:00:14 22	dense the A. Q. A. Q. correct? A. Q. laws of the A. thermode Q. engineer A.	yes, I think. Less dense, yes. You've seen a hot air balloon; correct? Yes. Okay. And hot air balloons actually rise; Yeah, they do. Okay. You're not going to disagree with the chermodynamics; are you? I have no idea what the law of lynamics is. Okay. Okay. You're going to defer to the rs in this case. To you.
1:57:45 11 1:57:48 12 1:57:49 13 1:58:01 14 1:58:06 15 1:58:09 16 1:58:12 17 1:58:13 18 1:58:14 19 1:58:15 20 1:58:17 21 1:58:20 22 1:58:27 23	flow; cor A. turbulen Q. case? A. Walton, Q. anything Q. claims ir injury of A.	In turbulent flow? No, I'm not an expert in t flow.  Okay. Have you read the Complaint in this  I think I may have read it at the time of and I remember seeing that.  Okay.  More recently I don't think I looked at lower think is your understanding of plaintiffs' at this case with respect to the mechanism of a Bair Hugger causing a an infection?  My understanding is that the plaintiffs are	11:59:57 10 12:00:01 11 12:00:04 12 12:00:05 14 12:00:06 15 12:00:07 16 12:00:08 17 12:00:10 18 12:00:11 19 12:00:12 20 12:00:13 21 12:00:14 22 12:00:15 23	dense the A. Q. A. Q. correct? A. Q. laws of the A. thermod Q. engineer A. Q.	yes, I think. Less dense, yes. You've seen a hot air balloon; correct? Yes. Okay. And hot air balloons actually rise; Yeah, they do. Okay. You're not going to disagree with the chermodynamics; are you? I have no idea what the law of lynamics is. Okay. Okay. You're going to defer to the rs in this case. To you. To me? You'd defer
1:57:45 11 1:57:48 12 1:57:49 13 1:58:01 14 1:58:06 15 1:58:09 16 1:58:12 17 1:58:13 18 1:58:14 19 1:58:15 20 1:58:17 21 1:58:20 22 1:58:27 23 1:58:30 24	flow; cor A. turbulen Q. case? A. Walton, Q. anything Q. claims ir injury of A. saying the	In turbulent flow? No, I'm not an expert in t flow.  Okay. Have you read the Complaint in this  I think I may have read it at the time of and I remember seeing that.  Okay.  More recently I don't think I looked at l.  What is your understanding of plaintiffs' at this case with respect to the mechanism of a Bair Hugger causing a an infection?  My understanding is that the plaintiffs are not there is heat generated from the Bair	11:59:57 10 12:00:01 11 12:00:04 12 12:00:05 14 12:00:05 15 12:00:07 16 12:00:08 17 12:00:10 18 12:00:11 19 12:00:12 20 12:00:13 21 12:00:14 22 12:00:15 23 12:00:15 24	dense the A. Q. A. Q. correct? A. Q. laws of the A. thermod Q. engineer A. Q. A.	yes, I think. Less dense, yes. You've seen a hot air balloon; correct? Yes. Okay. And hot air balloons actually rise; Yeah, they do. Okay. You're not going to disagree with the chermodynamics; are you? I have no idea what the law of lynamics is. Okay. Okay. You're going to defer to the rs in this case. To you. To me? You'd defer Yeah.
1:57:45 11 1:57:48 12 1:57:49 13 1:58:01 14 1:58:06 15 1:58:09 16 1:58:12 17 1:58:13 18 1:58:14 19 1:58:15 20 1:58:17 21 1:58:20 22 1:58:27 23 1:58:30 24	flow; cor A. turbulen Q. case? A. Walton, Q. anything Q. claims ir injury of A. saying the	In turbulent flow? No, I'm not an expert in t flow.  Okay. Have you read the Complaint in this  I think I may have read it at the time of and I remember seeing that.  Okay.  More recently I don't think I looked at I.  What is your understanding of plaintiffs' at this case with respect to the mechanism of a Bair Hugger causing a an infection?  My understanding is that the plaintiffs are not there is heat generated from the Bair and it creates currents, particularly	11:59:57 10 12:00:01 11 12:00:04 12 12:00:05 14 12:00:06 15 12:00:07 16 12:00:08 17 12:00:10 18 12:00:11 19 12:00:12 20 12:00:13 21 12:00:14 22 12:00:15 23	dense the A. Q. A. Q. correct? A. Q. laws of the A. thermod Q. engineer A. Q.	yes, I think. Less dense, yes. You've seen a hot air balloon; correct? Yes. Okay. And hot air balloons actually rise; Yeah, they do. Okay. You're not going to disagree with the chermodynamics; are you? I have no idea what the law of dynamics is. Okay. Okay. You're going to defer to the ris in this case. To you. To me? You'd defer Yeah to me as well. Okay.
1:57:44 10 1:57:45 11 1:57:48 12 1:57:49 13 1:58:01 14 1:58:06 15 1:58:09 16 1:58:12 17 1:58:13 18 1:58:14 19 1:58:15 20 1:58:17 21 1:58:27 23 1:58:27 23 1:58:30 24 1:58:36 25	flow; cor A. turbulen Q. case? A. Walton, Q. A. anything Q. claims ir injury of A. saying tl Hugger,	In turbulent flow? No, I'm not an expert in t flow.  Okay. Have you read the Complaint in this  I think I may have read it at the time of and I remember seeing that.  Okay.  More recently I don't think I looked at l.  What is your understanding of plaintiffs' at this case with respect to the mechanism of a Bair Hugger causing a an infection?  My understanding is that the plaintiffs are not there is heat generated from the Bair	11:59:57 10 12:00:01 11 12:00:04 12 12:00:05 14 12:00:05 15 12:00:07 16 12:00:08 17 12:00:10 18 12:00:11 19 12:00:12 20 12:00:13 21 12:00:14 22 12:00:15 23 12:00:15 24	dense the A. Q. A. Q. correct? A. Q. laws of the A. thermode Q. engineer A. Q. A. Q.	yes, I think. Less dense, yes. You've seen a hot air balloon; correct? Yes. Okay. And hot air balloons actually rise; Yeah, they do. Okay. You're not going to disagree with the chermodynamics; are you? I have no idea what the law of lynamics is. Okay. Okay. You're going to defer to the rs in this case. To you. To me? You'd defer Yeah.

	CONFIDENTIAL - SUBJECT TO PROTECTIVE ORDER		CONFIDENTIAL - SUBJECT TO PROTECTIVE ORDER
	149		151
12:00:18	Unfortunately, I can't testify.	12:03:00	<b>A.</b> So if if there, you know, was a study
12:00:10	(Laughter.)	_	that was being planned, one of the things I would do
_	<b>Q.</b> Which is a good thing, because I think Corey	•	is link the what was found in the air,
4			•
12:00:24 4	would love to take my deposition.	12:03:13 4	microbiologically, with what was found somewhere else,
12:00:26 <b>5</b>	And you agree with me that skin squames have	12:03:17 5	not on the patient flora, if you could do that.
12:00:38 6	a mass; correct?	12:03:20 6	Because you're positing that things come up from the
12:00:41 7	<b>A.</b> "Have a mass"? You mean they're not just	12:03:23 7	floor. And link what's on the floor, link what's in
12:00:44	energy, is that what you're asking?	12:03:27	the air and link what's in the patient's wound, and
12:00:45	<b>Q.</b> Yes.	12:03:31 9	show me it's the same pick a organism, Staph
12:00:45 10	<b>A.</b> Yes.	12:03:38 10	aureus, with the same fingerprint.
12:00:46 11	Q. Okay. And you agree with me that gravity	12:03:40 11	Q. Okay. And how many patients do you think
12:00:48 12	exists in an operating room; correct?	12:03:41 12	you would need to do that study?
12:00:49 13	A. It exists everywhere.	12:03:43 13	A. I don't know.
12:00:50 14	Q. Okay. Now just so I understand your	12:03:44 14	<b>Q.</b> Like Like 50, a thousand, 10,000?
12:01:06 15	opinion, assuming that the plaintiffs' engineering	12:03:48 15	MR. COREY GORDON: Object to the form of
12:01:12 16	theory is correct that the hot air causes contaminated	12:03:50 16	the question, lack of foundation.
12:01:12 17	air from underneath the operating table to rise to	12:03:50 17	A. Well
			_
12:01:23 18	above the operating room surgical table, is it correct	12:03:51 18	Q. And I'm talking about with respect to a
12:01:27 19	that your opinion is going to be that since you	12:03:53 19	total hip or total knee arthroplasty.
12:01:30 <b>20</b>	believe that most of the surgical-site infections are	12:03:55 <b>20</b>	<b>A.</b> You'd need a lot of patients to show to
12:01:35 <b>21</b>	caused by the patient's flora, that the effect of the	12:03:58 <b>21</b>	show that. And you have to do a multi-centered study,
12:01:39 <b>22</b>	Bair Hugger is irrelevant?	12:04:02 <b>22</b>	and we'll get a statistician to look at what you'd
12:01:40 23	MR. COREY GORDON: Object to the form of	12:04:07 23	expect. But I, off the cuff, wouldn't come up with an
12:01:42 <b>24</b>	the question, incomplete hypothetical.	12:04:11 <b>24</b>	answer.
12:01:46 <b>25</b>	<b>A.</b> I've told you separately I think most	12:04:12 <b>25</b>	Q. So you'd want to do microbiological sampling
	STIREWALT & ASSOCIATES		STIREWALT & ASSOCIATES
	1-800-553-1953 info@stirewalt.com		1-800-553-1953 info@stirewalt.com
	CONFIDENTIAL - SUBJECT TO PROTECTIVE ORDER		CONFIDENTIAL - SUBJECT TO PROTECTIVE ORDER
	150		152
12:01:49	infections come from the patient flora, no question.	12:04:15	of, like, what's underneath the operating room table;
12:01:53	Now you're asking me a hypothetical assuming that	12:04:17 <b>2</b>	correct?
12:01:56	everything that the plaintiffs say is correct, would	12:04:17 3	A. Yeah, because you said that's where it
12:02:00 4	that have an influence. And it might, but that's an	12:04:19 4	starts.
12:02:05 <b>5</b>	assumption.	12:04:19 <b>5</b>	Q. And you want to do microbio
12:02:06	<b>Q.</b> So So if the plaintiffs are correct that	12:04:21 6	microbiological sampling of the patient's flora in the
_	the Bair Hugger causes contaminants from underneath	12:04:21 7	merobiological sumpling of the patients flora in the
	the ball ridgger causes containinants from underneath		wound
	the operating room floor to actually go into the		wound.
12:02:12	the operating room floor to actually go into the	12:04:25	A. Right.
12:02:16	above and into the surgical site, that may have an	12:04:25 <b>8</b> 12:04:27 <b>9</b>	<ul><li>A. Right.</li><li>Q. Okay. And I think you said one other</li></ul>
12:02:16 <b>9</b> 12:02:19 <b>10</b>	above and into the surgical site, that may have an effect on your opinion?	12:04:25 <b>8</b> 12:04:27 <b>9</b> 12:04:28 <b>10</b>	<ul><li>A. Right.</li><li>Q. Okay. And I think you said one other microbiologic sample.</li></ul>
12:02:16 <b>9</b> 12:02:19 <b>10</b> 12:02:21 <b>11</b>	above and into the surgical site, that may have an effect on your opinion?  A. If everything that you say was validated,	12:04:25 <b>8</b> 12:04:27 <b>9</b> 12:04:28 <b>10</b> 12:04:29 <b>11</b>	<ul> <li>A. Right.</li> <li>Q. Okay. And I think you said one other microbiologic sample.</li> <li>A. It would have to be in the air</li> </ul>
12:02:16 <b>9</b> 12:02:19 <b>10</b> 12:02:21 <b>11</b> 12:02:24 <b>12</b>	above and into the surgical site, that may have an effect on your opinion?  A. If everything that you say was validated, and I don't I don't think we're there yet, in this	12:04:25 <b>8</b> 12:04:27 <b>9</b> 12:04:28 <b>10</b> 12:04:29 <b>11</b> 12:04:29 <b>12</b>	<ul> <li>A. Right.</li> <li>Q. Okay. And I think you said one other microbiologic sample.</li> <li>A. It would have to be in the air</li> <li>Q. Okay.</li> </ul>
12:02:16 <b>9</b> 12:02:19 <b>10</b> 12:02:21 <b>11</b> 12:02:24 <b>12</b> 12:02:27 <b>13</b>	above and into the surgical site, that may have an effect on your opinion?  A. If everything that you say was validated, and I don't I don't think we're there yet, in this hypothetical situation, it might contribute. We have	12:04:25 <b>8</b> 12:04:27 <b>9</b> 12:04:28 <b>10</b> 12:04:29 <b>11</b> 12:04:29 <b>12</b> 12:04:30 <b>13</b>	<ul> <li>A. Right.</li> <li>Q. Okay. And I think you said one other microbiologic sample.</li> <li>A. It would have to be in the air</li> <li>Q. Okay.</li> <li>A because you said it comes up in the air,</li> </ul>
12:02:16 9 12:02:19 10 12:02:21 11 12:02:24 12 12:02:27 13 12:02:33 14	above and into the surgical site, that may have an effect on your opinion?  A. If everything that you say was validated, and I don't I don't think we're there yet, in this hypothetical situation, it might contribute. We have no data, I think, to really convince people that the	12:04:25 <b>8</b> 12:04:27 <b>9</b> 12:04:28 <b>10</b> 12:04:29 <b>11</b> 12:04:29 <b>12</b> 12:04:30 <b>13</b> 12:04:32 <b>14</b>	<ul> <li>A. Right.</li> <li>Q. Okay. And I think you said one other microbiologic sample.</li> <li>A. It would have to be in the air</li> <li>Q. Okay.</li> <li>A because you said it comes up in the air, in your hypothetical.</li> </ul>
12:02:16 <b>9</b> 12:02:19 <b>10</b> 12:02:21 <b>11</b> 12:02:24 <b>12</b> 12:02:27 <b>13</b>	above and into the surgical site, that may have an effect on your opinion?  A. If everything that you say was validated, and I don't I don't think we're there yet, in this hypothetical situation, it might contribute. We have	12:04:25 <b>8</b> 12:04:27 <b>9</b> 12:04:28 <b>10</b> 12:04:29 <b>11</b> 12:04:29 <b>12</b> 12:04:30 <b>13</b>	<ul> <li>A. Right.</li> <li>Q. Okay. And I think you said one other microbiologic sample.</li> <li>A. It would have to be in the air</li> <li>Q. Okay.</li> <li>A because you said it comes up in the air,</li> </ul>
12:02:16 9 12:02:19 10 12:02:21 11 12:02:24 12 12:02:27 13 12:02:33 14	above and into the surgical site, that may have an effect on your opinion?  A. If everything that you say was validated, and I don't I don't think we're there yet, in this hypothetical situation, it might contribute. We have no data, I think, to really convince people that the	12:04:25 <b>8</b> 12:04:27 <b>9</b> 12:04:28 <b>10</b> 12:04:29 <b>11</b> 12:04:29 <b>12</b> 12:04:30 <b>13</b> 12:04:32 <b>14</b>	<ul> <li>A. Right.</li> <li>Q. Okay. And I think you said one other microbiologic sample.</li> <li>A. It would have to be in the air</li> <li>Q. Okay.</li> <li>A because you said it comes up in the air, in your hypothetical.</li> </ul>
12:02:16 9 12:02:19 10 12:02:21 11 12:02:24 12 12:02:27 13 12:02:33 14 12:02:36 15	above and into the surgical site, that may have an effect on your opinion?  A. If everything that you say was validated, and I don't I don't think we're there yet, in this hypothetical situation, it might contribute. We have no data, I think, to really convince people that the Bair Hugger actually leads to infections.	12:04:25 <b>8</b> 12:04:27 <b>9</b> 12:04:28 <b>10</b> 12:04:29 <b>11</b> 12:04:29 <b>12</b> 12:04:30 <b>13</b> 12:04:32 <b>14</b> 12:04:32 <b>15</b>	<ul> <li>A. Right.</li> <li>Q. Okay. And I think you said one other microbiologic sample.</li> <li>A. It would have to be in the air</li> <li>Q. Okay.</li> <li>A because you said it comes up in the air, in your hypothetical.</li> <li>Q. So what's in the air before you turn the</li> </ul>
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12:02:16 9 12:02:19 10 12:02:21 11 12:02:27 13 12:02:33 14 12:02:36 15 12:02:38 16 12:02:41 17 12:02:42 18 12:02:43 19 12:02:46 20 12:02:47 21 12:02:49 22 12:02:52 23 12:02:55 24	above and into the surgical site, that may have an effect on your opinion?  A. If everything that you say was validated, and I don't I don't think we're there yet, in this hypothetical situation, it might contribute. We have no data, I think, to really convince people that the Bair Hugger actually leads to infections.  Q. Okay. How do we get there?  A. How do we get the data?  Q. Yeah.  A. Well what I've tried to do is do the following.  Q. Well I understand what you did. You said we're not there yet. That was your That was your answer. So how do we What would you do today to determine the answer to that question? Not looking at	12:04:25 8 12:04:27 9 12:04:28 10 12:04:29 11 12:04:29 12 12:04:30 13 12:04:32 14 12:04:32 15 12:04:35 16 12:04:36 17 12:04:37 18 12:04:38 19 12:04:41 20 12:04:43 21 12:04:44 22 12:04:46 23 12:04:47 24	<ul> <li>A. Right.</li> <li>Q. Okay. And I think you said one other microbiologic sample.</li> <li>A. It would have to be in the air</li> <li>Q. Okay.</li> <li>A because you said it comes up in the air, in your hypothetical.</li> <li>Q. So what's in the air before you turn the Bair Hugger on; correct?</li> <li>A. Before and during.</li> <li>Q. Okay, during.  And then you want to also determine which patients obtained infections; correct?</li> <li>A. Right. Right.</li> <li>Q. And so for total hip and total knee you might need 10,000 patients.</li> <li>A. A lot of patients.</li> </ul>

	CASE 0:15-md-02666-JNE-DTS Doc CONFIDENTIAL - SUBJECT TO PROTECTIVE ORDER	<del>. 823-7</del>	Filed 09/12/17 Page 41 of 95 CONFIDENTIAL - SUBJECT TO PROTECTIVE ORDER 155
12:04:52	very, very expensive; correct?	12:06:53	<b>Q.</b> Okay.
12:04:53	<b>A.</b> Ten thousand patient would be expensive.	12:06:53	<b>A.</b> And then contaminated obviously if there's
12:04:55 3	Q. Okay. And to do all that microbiological	12:06:55 3	already
12:04:58 4	sampling would be expensive too.	12:06:56 4	Q. Okay.
12:04:59 <b>5</b>	<b>A.</b> Right. Truth is costly sometimes.	12:06:57 <b>5</b>	A an infection.
12:05:01 6	Q. Okay. And And you agree with me, based	12:07:00 6	<b>Q.</b> So you want to look at the mechanism of
12:05:05 7	on your experience of doing research, that probably	12:07:00 <b>7</b>	injury with respec look at the mechanisms across
12:05:09	the only person that would ever fund a study such like	12:07:04	the board; correct? Is that what I'm understanding?
12:05:09	that or would be the manufacturer of the device.	12:07:04	<b>A.</b> No. If you were going to design a study,
12:05:14 10	MR. COREY GORDON: Object to the form of	12:07:10 10	you know, my label would be what's the pathogenesis of
12:05:14	the question.	12:07:13	surgical-site infections. And I think, you know, so
12:05:16 11	<b>A.</b> I'm not sure if NI it'd take awhile to	12:07:16 12	far what I've learned is that it's the patient's
12:05:16 12	get NIH involved in that, but at least I'd give it a	12:07:16 12	microbiome that's the source.
12:05:20 13	try if I were really going to go into that.	12:07:20 13	Now what I think you're getting at is a very
12:05:23	Q. But the NIH, you know	12:07:21 14	, ,
		12:07:24 15	interesting question. What's How does it get from the source to the wound? And you're positing, in your
12:05:26 <b>16</b> 12:05:27 <b>17</b>	<ul><li>A. But typically they don't</li><li>Q funds very little studies.</li></ul>	12:07:26 16	hypothetical, that maybe it's not the patient's
12:05:27 <b>17</b> 12:05:28 <b>18</b>	A. Typically they don't get into devices and	12:07:31 17	microbiome but it's something on the base of the floor
12:05:28 10	But the mechanism might be important as a	12:07:35 10	being wafted up. So I would like to try to put that
12:05:32 19	general surgery issue. Forget just hips and, you	12:07:39 19	to rest one way or another.
12:05:35 20	know, prostheses.	12:07:43 20	That make sense? I'm trying to
12:05:39 <b>21</b>	So if you could expand it, I wouldn't be	12:07:47 21	<b>Q.</b> You agree that implant surgeries are more
12:05:41 <b>22</b> 12:05:43 <b>23</b>		12:07:50 22	
12:05:43 <b>23</b> 12:05:48 <b>24</b>	surprised that, you know, a well written, general	12:07:52 23	susceptible to infection than non-implant surgeries. <b>A.</b> Well let's pause for a second. I'm not sure
12:05:48 <b>24</b> 12:05:52 <b>25</b>	surgery person could maybe convince them to do to	12:07:55 <b>24</b> 12:07:58 <b>25</b>	
12:05:52 23	look at it. STIREWALT & ASSOCIATES	12:07:58 <b>23</b>	the pathogenesis of the initiation is different, but STIREWALT & ASSOCIATES
	1-800-553-1953 info@stirewalt.com  CONFIDENTIAL - SUBJECT TO PROTECTIVE ORDER		1-800-553-1953 info@stirewalt.com
			CONFIDENTIAL - SUBJECT TO PROTECTIVE ORDER 156
1	154 <b>Q.</b> When you say "the mechanism," what do you	1	once the infection is present, once you have the
12:05:52 <b>1</b> 12:05:54 <b>2</b>	<b>Q.</b> When you say "the mechanism," what do you mean by "the mechanism"?	12:08:01	biofilm, then it's it's much harder to cure and
•	- '	12:08:06 <b>2</b> 12:08:10 <b>3</b>	
4	<b>A.</b> In other words, if the question is what's		, ,
12:05:59 4	the pathogenesis of surgical-site infections, that's	12:08:13 <b>4</b> 12:08:16 <b>5</b>	joint because the foreign body is going to hold the
12:06:03 5	what I would be asking in the front end. And if you said it's not just that we're going to look at hips		organisms there.
12:06:06 6		12:08:18 6	But if you said what's the initiation phase
12:06:09 <b>7</b> 12:06:12 <b>8</b>	and knees, because the numbers might be very high, but	12:08:21 7	I think you still start with the flora, patient flora.
•	let's look at some general surgery patients.	12:08:25 <b>8</b> 12:08:27 <b>9</b>	And I think the patient's flora is there at the time of surgery, at the time of the incision. That's my
12:06:15 <b>9</b> 12:06:18 <b>10</b>	The reason, for example, that Kurz and Melling looked at the patients they did, particularly	12:08:27 9	current thinking.
		12:08:31 10	
12:06:20 <b>11</b> 12:06:23 <b>12</b>	Kurz, because of the high infection rate with colorectal surgery.	12:08:34 11	<ul><li>Q. Okay.</li><li>A. And then once the infection because I</li></ul>
	colorectal surgery.	12:08:35	And then once the injection because i
19	Rut coloractal is a linear is considered.	12	know that you've discussed with other people, you
	Q. But colorectal is a is a is considered	12:08:37 13	know that you've discussed with other people, you
12:06:26 14	a dirty surgery; correct?	12:08:40 14	know, biofilm. That's a different story. Once you
12:06:26 <b>14</b> 12:06:28 <b>15</b>	a dirty surgery; correct?  A. It is. It's clean contaminated.	12:08:40 <b>14</b> 12:08:43 <b>15</b>	know, biofilm. That's a different story. Once you have that, the therapy and then the the late
12:06:26	<ul><li>a dirty surgery; correct?</li><li>A. It is. It's clean contaminated.</li><li>Q. Clea Okay. Well there's clean, there's</li></ul>	12:08:40 <b>14</b> 12:08:43 <b>15</b> 12:08:48 <b>16</b>	know, biofilm. That's a different story. Once you have that, the therapy and then the the late pathogenesis, there's no question, if that's what
12:06:26	<ul> <li>a dirty surgery; correct?</li> <li>A. It is. It's clean contaminated.</li> <li>Q. Clea Okay. Well there's clean, there's clean contaminated, and then there is</li> </ul>	12:08:40 <b>14</b> 12:08:43 <b>15</b> 12:08:48 <b>16</b> 12:08:51 <b>17</b>	know, biofilm. That's a different story. Once you have that, the therapy and then the the late pathogenesis, there's no question, if that's what you're asking, is different in a device-related
12:06:26	<ul> <li>a dirty surgery; correct?</li> <li>A. It is. It's clean contaminated.</li> <li>Q. Clea Okay. Well there's clean, there's clean contaminated, and then there is What's the third one?</li> </ul>	12:08:40	know, biofilm. That's a different story. Once you have that, the therapy and then the the late pathogenesis, there's no question, if that's what you're asking, is different in a device-related infection than a non-device-related infection.
12:06:26	<ul> <li>a dirty surgery; correct?</li> <li>A. It is. It's clean contaminated.</li> <li>Q. Clea Okay. Well there's clean, there's clean contaminated, and then there is What's the third one?</li> <li>A. Contaminated where you've cut across a tube,</li> </ul>	12:08:40	know, biofilm. That's a different story. Once you have that, the therapy and then the the late pathogenesis, there's no question, if that's what you're asking, is different in a device-related infection than a non-device-related infection.  Q. So is it your opinion that the infection
12:06:26	<ul> <li>a dirty surgery; correct?</li> <li>A. It is. It's clean contaminated.</li> <li>Q. Clea Okay. Well there's clean, there's clean contaminated, and then there is What's the third one?</li> <li>A. Contaminated where you've cut across a tube, essentially. So in other words, gallbladder duct,</li> </ul>	12:08:40 14 12:08:43 15 12:08:48 16 12:08:51 17 12:08:56 18 12:09:00 19 12:09:03 20	know, biofilm. That's a different story. Once you have that, the therapy and then the the late pathogenesis, there's no question, if that's what you're asking, is different in a device-related infection than a non-device-related infection.  Q. So is it your opinion that the infection dose for a implant infection is the same for a
12:06:26 14 12:06:28 15 12:06:31 16 12:06:33 17 12:06:35 18 12:06:36 19 12:06:38 20 12:06:44 21	a dirty surgery; correct?  A. It is. It's clean contaminated.  Q. Clea Okay. Well there's clean, there's clean contaminated, and then there is What's the third one?  A. Contaminated where you've cut across a tube, essentially. So in other words, gallbladder duct, something like that.	12:08:40 14 12:08:43 15 12:08:48 16 12:08:51 17 12:08:56 18 12:09:00 19 12:09:05 21	know, biofilm. That's a different story. Once you have that, the therapy and then the the late pathogenesis, there's no question, if that's what you're asking, is different in a device-related infection than a non-device-related infection.  Q. So is it your opinion that the infection dose for a implant infection is the same for a superficial wound infection? Is the infection dose
12:06:26	a dirty surgery; correct?  A. It is. It's clean contaminated.  Q. Clea Okay. Well there's clean, there's clean contaminated, and then there is What's the third one?  A. Contaminated where you've cut across a tube, essentially. So in other words, gallbladder duct, something like that.  Q. So cutting into the the colorectal area	12:08:40 14 12:08:43 15 12:08:48 16 12:08:51 17 12:08:56 18 12:09:00 19 12:09:03 20 12:09:05 21 12:09:12 22	know, biofilm. That's a different story. Once you have that, the therapy and then the the late pathogenesis, there's no question, if that's what you're asking, is different in a device-related infection than a non-device-related infection.  Q. So is it your opinion that the infection dose for a implant infection is the same for a superficial wound infection? Is the infection dose  A. You know we know so little about infectious
12:06:26 14 12:06:28 15 12:06:31 16 12:06:33 17 12:06:35 18 12:06:36 19 12:06:38 20 12:06:44 21 12:06:45 22 12:06:49 23	a dirty surgery; correct?  A. It is. It's clean contaminated.  Q. Clea Okay. Well there's clean, there's clean contaminated, and then there is What's the third one?  A. Contaminated where you've cut across a tube, essentially. So in other words, gallbladder duct, something like that.  Q. So cutting into the the colorectal area is not considered contaminated?	12:08:40 14 12:08:43 15 12:08:48 16 12:08:51 17 12:08:56 18 12:09:00 19 12:09:03 20 12:09:05 21 12:09:15 23	know, biofilm. That's a different story. Once you have that, the therapy and then the the late pathogenesis, there's no question, if that's what you're asking, is different in a device-related infection than a non-device-related infection.  Q. So is it your opinion that the infection dose for a implant infection is the same for a superficial wound infection? Is the infection dose  A. You know we know so little about infectious dose, but I think the initiation might be I don't
12:06:26 14 12:06:28 15 12:06:31 16 12:06:33 17 12:06:35 18 12:06:36 19 12:06:38 20 12:06:44 21 12:06:45 22 12:06:49 23 12:06:50 24	a dirty surgery; correct?  A. It is. It's clean contaminated.  Q. Clea Okay. Well there's clean, there's clean contaminated, and then there is What's the third one?  A. Contaminated where you've cut across a tube, essentially. So in other words, gallbladder duct, something like that.  Q. So cutting into the the colorectal area is not considered contaminated?  A. I think it depends on how much spillage	12:08:40 14 12:08:43 15 12:08:48 16 12:08:51 17 12:08:56 18 12:09:00 19 12:09:03 20 12:09:05 21 12:09:15 23 12:09:20 24	know, biofilm. That's a different story. Once you have that, the therapy and then the the late pathogenesis, there's no question, if that's what you're asking, is different in a device-related infection than a non-device-related infection.  Q. So is it your opinion that the infection dose for a implant infection is the same for a superficial wound infection? Is the infection dose  A. You know we know so little about infectious dose, but I think the initiation might be I don't know. I don't know how to answer that question for
12:06:25 13 12:06:26 14 12:06:28 15 12:06:31 16 12:06:35 18 12:06:36 19 12:06:36 20 12:06:45 22 12:06:49 23 12:06:49 24 12:06:50 24	a dirty surgery; correct?  A. It is. It's clean contaminated.  Q. Clea Okay. Well there's clean, there's clean contaminated, and then there is What's the third one?  A. Contaminated where you've cut across a tube, essentially. So in other words, gallbladder duct, something like that.  Q. So cutting into the the colorectal area is not considered contaminated?  A. I think it depends on how much spillage there is.	12:08:40 14 12:08:43 15 12:08:48 16 12:08:51 17 12:08:56 18 12:09:00 19 12:09:03 20 12:09:05 21 12:09:15 23	know, biofilm. That's a different story. Once you have that, the therapy and then the the late pathogenesis, there's no question, if that's what you're asking, is different in a device-related infection than a non-device-related infection.  Q. So is it your opinion that the infection dose for a implant infection is the same for a superficial wound infection? Is the infection dose  A. You know we know so little about infectious dose, but I think the initiation might be I don't know. I don't know how to answer that question for sure.
12:06:26 14 12:06:28 15 12:06:31 16 12:06:33 17 12:06:35 18 12:06:36 19 12:06:38 20 12:06:44 21 12:06:45 22 12:06:49 23 12:06:50 24	a dirty surgery; correct?  A. It is. It's clean contaminated.  Q. Clea Okay. Well there's clean, there's clean contaminated, and then there is What's the third one?  A. Contaminated where you've cut across a tube, essentially. So in other words, gallbladder duct, something like that.  Q. So cutting into the the colorectal area is not considered contaminated?  A. I think it depends on how much spillage	12:08:40 14 12:08:43 15 12:08:48 16 12:08:51 17 12:08:56 18 12:09:00 19 12:09:03 20 12:09:05 21 12:09:15 23 12:09:20 24	know, biofilm. That's a different story. Once you have that, the therapy and then the the late pathogenesis, there's no question, if that's what you're asking, is different in a device-related infection than a non-device-related infection.  Q. So is it your opinion that the infection dose for a implant infection is the same for a superficial wound infection? Is the infection dose  A. You know we know so little about infectious dose, but I think the initiation might be I don't know. I don't know how to answer that question for

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		157		001	159	
12:09:23	Q.	Well if you don't know you can say you don't	12:11:07	Δ.	I didn't count them all, but they're you	
12:09:25	know.	Well in you don't know you can say you don't	12:11:09 2		ey're they're numerous, yeah.	
	_	Yeah. So I don't know,			Okay.	
4	Q.	All right.	1		This was the intravenous study. Is that the	
12:09:25 4		there aren't	-		•	
12:09:26	Α.		12:11:19 5	-	re referring to?	
12:09:27 6	Q.	That's fine.	12:11:20 6		Yeah. Hold on one second, just pulling it	
12:09:28	Α.	But I thought we were talking hypotheticals,	12:11:22 7	-	t we're on the same page.	
12:09:30	and that		12:11:35		They had four groups; correct?	
12:09:31		Well you mentioned you discussed the	12:11:38		I don't remember exactly, but.	
12:09:34 10	rabbit st	rudies and the mice studies; correct?	12:11:40 10	Q.	You have route of infection number IV here	
12:09:35 11	A.	Yeah. Right.	12:11:42 11	at near	the top; correct?	
12:09:36 12	Q.	And many of those studies, and we can go	12:11:43 12	Α.	Okay. All right.	
12:09:39 13	through	them if you want, but let's try to get here	12:11:44 13	Q.	And	
12:09:41 14	A.	Yeah. No. That's	12:11:45 14	A.	Oh, I see what you're saying. These four,	
12:09:43 15	Q.	out of here by six o'clock.	12:11:47 15	yeah.		
12:09:45 16	Α.	Yeah. No. That's fine. Yeah.	12:11:48 16	Q.	And	
12:09:46 17	Q.	Most of those studies indicated that when	12:11:52 17		(Discussion off the stenographic record.)	
12:09:47 18	there is	an implant the infectious dose is much less	18		MR. COREY GORDON: Is that roman numeral,	
12:09:49 19		en there's no implant.	19		intravenous?	
12:09:51 20		I think in general that's true.	20		THE WITNESS: Oh, that's No, it's "I-V,"	
12:09:51 20	_	Okay.	21			
	Q.	•		intraveno		
12:09:52 22		There's probably less based on the animal	22		MR. ASSAAD: Oh, it's "I-V"? Okay.	
12:09:54 23	studies,		23		THE WITNESS: Yeah. That's why I thought	
12:09:56 <b>24</b>		And in fact if you looked at the rabbit	12:12:07 <b>24</b>	-	nt the studies here.	
12:09:57 <b>25</b>	study, a	nd let's go to	12:12:07 <b>25</b>	BY MR. A		
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12:10:14		I'm thinking you're probably looking for the	12:12:07		The reason why I ask is they also have	
12:10:18 2	end of th	ne	12:12:09 <b>2</b>	groups I,	II, III, IV in Roman numerals.	
12:10:19 3	Q.	Yeah, you're right.	12:12:12 3		THE WITNESS: I'm glad you said something	
12:10:23 4		(Interruption by the reporter.)	12:12:14 4	there [to	counsel].	
12:10:23 <b>5</b>	A.	The end of the report.	12:12:14 <b>5</b>		(Discussion off the stenographic record.)	
12:10:25 6	Q.	Okay. Page 77.	12:12:14 6		(Wenzel Exhibit 8 marked for	
12:10:25 7	Α.	Yeah.	12:12:14 7		identification.)	
12:10:26	Q.	Okay. So	12:12:14	BY MR. A		
12:10:29		And you've looked at these studies; correct?	12:12:42 9	Q.	Doctor, Exhibit Number 8 is the is the	
12:10:31 10	A.	I have. That's where I made the table from,	12:12:45 10		od article referred on page 77 of your report	
12:10:33 11	and	That's mars made the table nom,	12:12:48 11		1; correct?	
12:10:33		Okay.	12:12:48 11	A.	•	
	_					
12:10:34 13	A.	And this doesn't I don't mean to imply	12:12:49 13		Okay. Let's look at	
12:10:36 14	it's a cor	mprehensive look, but it's a sample.	12:12:53 14		Let's explain to the ladies and gentlemen of	
12:10:40 15		And what I come away with is the infecting	12:12:55 15		vhat ID <sub>50</sub> means.	
12:10:43 16		ries by which animal and which mechanism that	12:12:58 16		It's the dose of organism that will infect	
12:10:47 17		nfecting the animal.	12:13:03 17		nt of the subjects	
12:10:49 18		But in the Southwood study of 1985, when a	12:13:07 18		Okay.	
12:10:53 19	medulla	ry inoculation with prosthesis, which means	12:13:08 19	Α.	as opposed to the dose, you know, which	
12:10:56 <b>20</b>	they act	ually kept the prosthesis in; correct?	12:13:11 <b>20</b>	required t	to infect 10 percent or a hundred percent.	
12:10:59 <b>21</b>	A.	Right.	12:13:14 <b>21</b>	Q.	And a dose would be considered a CFU?	
12:10:59 <b>22</b>	Q.	Okay. The other ones they did not keep the	12:13:16 <b>22</b>	Α.	In this case, yes.	
12:11:01 23		sis in; correct? The other three	12:13:17 23		Okay. So in this case it would be a CFU;	
12:11:01 <b>43</b>		They had four different routes of infection;	12:13:20 <b>24</b>	correct?		
12:11:01 <b>23</b> 12:11:04 <b>24</b>						
12:11:04 <b>24</b>	correct?	,,	12:13:20 25	Α.	Yes.	
	correct?	·	12:13:20 <b>25</b>	A.		
12:11:04 <b>24</b>		STIREWALT & ASSOCIATES 1-800-553-1953 info@stirewalt.com	12:13:20 <b>25</b>		Yes. STIREWALT & ASSOCIATES 800-553-1953 info@stirewalt.com	

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12:13:21 1	Q. Let's turn to Figure 2 on page 230 of	12:15:38 <b>1</b>	A. Yeah.
12:13:23 <b>2</b>	Exhibit 8. It's the second page.	12:15:38 <b>2</b>	Q. Okay. Which are very large numbers;
12:13:26 <b>3</b>	<b>A.</b> Table 2, or Figure 2?	12:15:42 <b>3</b>	correct?
12:13:28 4	<b>Q.</b> Or Figure 2. I'm sorry.	12:15:42 4	<b>A.</b> They're big numbers. Bigger than 10 to the
12:13:30 <b>5</b>	And they talk about four different types of	12:15:45 <b>5</b>	
12:13:33 6	ways they infected the rabbit; correct?	12:15:45 6	<b>Q.</b> So you agree with me then when at least
12:13:37 7	<b>A.</b> Yeah. I'm trying to remember the study.	12:15:47 7	in the rabbit case, that when the infective dose
12:13:39	Yeah.	12:15:53	when a bacteria gets on the implant is much lower than
12:13:39	Q. One was	12:15:58 9	when it's not on the implant.
12:13:40 10	The first one was medullary, they infected	12:16:00 10	A. That's what the study showed.
12:13:42 11	the actual implant; correct?	12:16:02 11	Q. And do you disagree with that study?
12:13:44 12	A. Yes.  Then they did modullary but they took out	12:16:03 12	A. No.
12:13:45 13	Q. Then they did medullary but they took out	12:16:04 13	Q. Okay. And in fact you agree with me that
12:13:46 <b>14</b> 12:13:48 <b>15</b>	the prosthesis; correct? <b>A.</b> Yes.	12:16:09 <b>14</b> 12:16:12 <b>15</b>	one skin squame can carry, you know, multiple CFUs. <b>A.</b> I think I've read that, that they can car
12:13:48 15	Q. And then they did a delayed intravenous and	12:16:12 15	can carry, sometimes, several, up to three or four or
12:13:49 17	an intravenous; correct?	12:16:19 17	something.
12:13:52 18	A. Yeah.	12:16:20 18	Q. Even more.
12:13:53 19	Q. Okay. And let's look down at the	12:16:21 19	MR. COREY GORDON: Object to the form of
12:13:56 20	calculations they did, and it says: "In Group I	12:16:22 20	the question.
12:13:59 21	(medullary peroperative inoculation) ID <sub>so</sub> equals 1 .3	12:16:23 <b>21</b>	<b>Q.</b> I mean, you agree with me that there is 10
12:14:06 <b>22</b>	times 10 to the 1.114"; correct?	12:16:24 <b>22</b>	times more bacteria on our skin than actual skin
12:14:10 23	A. Where are we?	12:16:27 23	cells.
12:14:11 24	Q. The description of Figure 2. The small	12:16:28 24	A. Than actual what?
12:14:14 <b>25</b>	writing right below the figures.	12:16:29 <b>25</b>	Q. Than our skin cells.
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12:14:16	<b>A.</b> Oh, I see. Okay. The range of inocula?	12:16:30	<b>A.</b> Well it's not just skin, the what I cited
12:14:20	Yeah. (Witness reviewing exhibit.)  Q. Okay. That means how much bacteria	12:16:33 <b>2</b> 12:16:35 <b>3</b>	was the total flora on the body.  Q. I understand. But the total flora, there's
12:14:21 3	what's the effective dose for 50 percent when you	4	10 times more flora on our skin than actual skin
12:14:23 <b>4</b> 12:14:29 <b>5</b>	you add back add CFUs to the implant; correct?	12:16:37 <b>4</b> 12:16:41 <b>5</b>	cells.
12:14:33	A. Yeah.	12:16:41 6	A. Yeah.
12:14:34 7	Q. Okay. Have you calculated what 1.3 times 10	12:16:41 7	<b>Q.</b> Okay. And the flora is bacteria; correct?
12:14:37	to the 1.114 is?	12:16:45	<b>A.</b> When you say flora, it's bacteria, it's
12:14:38 9	A. No. It's low. It's a small number.	12:16:48 9	fungus
12:14:41 10	Q. Uh-huh. I'm going to calculate it for you,	12:16:48 10	<b>Q.</b> Okay.
12:14:44 11	let me see if you agree with me.	12:16:49 11	<b>A.</b> some parts of the body it's virus.
12:14:46 12	A. It's probably 15 or 20.	12:16:50 12	Q. Okay. So in fact you could say that for
12:14:48 13	<b>Q.</b> 1.3 times 10 to the 1.114. [Calculating.]	12:16:54 13	every skin cell there's there's 10 flora, on
12:15:01 14	About 17; correct?	12:16:59 14	average.
12:15:02 15	<b>A.</b> I was pretty close.	12:17:02 15	<b>A.</b> So for every skin cell there are 10 Yeah.
12:15:03 16	<b>Q.</b> Okay. Or, I'm sorry, 1.7. Is it 1.7? I'm	12:17:07 16	Q. Okay.
12:15:08 17	sorry. Let me calculate it again. [Calculating.]	12:17:07 17	A. There might be more bacteria, yeah.
12:15:16 18	It's below 20; correct? Whatever it is, it	12:17:09 18	Q. So in fact a skin squame could carry more
12:15:25 19	is; correct?	12:17:11 19	than three or four bacteria.
12:15:26 20	A. It's low.	12:17:14 20	A. Okay. I haven't looked at that recently,
12:15:26 <b>21</b> 12:15:30 <b>22</b>	<ul><li>Q. That's a very low number; correct?</li><li>A. Yeah.</li></ul>	12:17:16 <b>21</b> 12:17:17 <b>22</b>	but yeah.  Q. But the math the math makes sense;
		12:17:17 <b>22</b> 12:17:19 <b>23</b>	<b>Q.</b> But the math the math makes sense; correct?
40.45.00 22	() ()kay (omnared to the in the intection	12:17:19 <b>43</b>	COLLECT;
12:15:30 23	Q. Okay. Compared to the in the infection dose for groups II III and IV which are 10 to the 5:		
12:15:32 <b>24</b>	dose for groups II, III and IV, which are 10 to the 5;	12:17:19 24	<b>A.</b> Okay.
	dose for groups II, III and IV, which are 10 to the 5; correct?		<ul><li>A. Okay.</li><li>Q. Do you agree?</li></ul>
12:15:32 <b>24</b>	dose for groups II, III and IV, which are 10 to the 5;	12:17:19 24	<b>A.</b> Okay.

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12:17:20	Δ	I think I've seen up to	12:19:06	A genus and species and same fingerprint.
12:17:20	Q.	Okay.	12:19:06	Q. Let me ask you this question.
	Q. A.	four or five.		A. Yeah.
4	Q.	Okay. And some might have a cluster on it	12:19:12 <b>3</b>	Q. If Darouiche's study, the one that came out
2:17:24 4		tht have 20, 30.	_	recently which you emailed him about. Do you recall
•	_	Yeah, I don't know that.		that?
2:17:28 6		•	_	A. Yeah.
2:17:29		Okay. I mean, bacteria go into clusters;		
2:17:33	correct?	The same decembers	12:19:20	Q. Okay. He did a microbiology study and it
2:17:33 9	Α.	They do clump.	12:19:21 9	indicated that the the the bacteria came from
2:17:35 10		Okay. And they could clump as few as 3 and	12:19:26 10	the air, you know, because of the increased bacterial
2:17:36 11	•	as hundreds.	12:19:30 11	load over over the surgical site. Would that
2:17:38 12		Yeah, I don't know about hundreds. I just	12:19:32 12	change your opinion in this case?
2:17:40 13	_	can't say I know that, but maybe.	12:19:34 13	<b>A.</b> What he showed was a correlation between
2:17:44 14	_	More than ten.	12:19:38 14	particles and bacteria and the four infections, and he
2:17:45 15	Α.	Yeah.	12:19:43 15	modeled that to get the correlation.
2:17:45 16	Q.	Probably more than twenty.	12:19:45 16	<b>Q.</b> And your criticism of him is that he didn't
2:17:46 17	A.	I don't know.	12:19:48 17	do any microbiological testing.
2:17:48 18		Okay. So there is a difference with respect	12:19:49 18	<b>A.</b> That's one, yeah, sure. I think that's
2:17:53 19		fection dose of an implant if the bacteria	12:19:51 19	important.
2:17:58 <b>20</b>	lands or	an implant as compared to the if the	12:19:52 <b>20</b>	<b>Q.</b> Because you're not sure whether the bacteria
2:18:00 21	bacteria	lands on on skin.	12:19:54 <b>21</b>	came from the flora or from the air; correct? The
2:18:02 <b>22</b>	Α.	That's not what they really showed. They	12:19:57 <b>22</b>	patient's flora or the air.
2:18:04 <b>23</b>	didn't sa	y "land on." They injected it.	12:19:58 23	A. Yeah.
2:18:07 <b>24</b>	Q.	Okay. Well	12:19:58 24	Q. Okay. If he did do microbiological testing
2:18:08 <b>25</b>	A.	That's different. Surgeons don't go in and	12:20:00 <b>25</b>	and indicated that the bacteria that caused the
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2:18:11 1	shoot a	number of organisms into the joint.	12:20:02	infections came from the bacteria that was in the air,
2:18:15 2		Well you agree with me that forget about	12:20:04 <b>2</b>	would that change your opinion with respect to whether
		it the bacteria gets there, okay, whether	12:20:07 3	
2:18:21 4	•	's it's injected. I mean, the bacteria	12:20:10 4	on periprosthetic joint infections?
2:18:23 <b>5</b>		ne joint in this case; correct? To the the	12:20:12 5	A. Well
2:18:27	prosthes		12:20:12 6	MR. COREY GORDON: Object to the form of
2:18:28 7	-	But how can I forget how they got there?	12:20:12 7	the question,
•	Q.	Okay.	12:20:12	A. Yeah.
•	д. А.	I'm not sure		MR. COREY GORDON: misstate
2:18:30 <b>9</b> 2:18:31 <b>10</b>		So is that a limitation of the study?	12:20:14 9	mischaracterizes his testimony.
		Oh. Well if you want to posit that the air	12:20:15 10	THE WITNESS: Thank you. I didn't mean to
2:18:34 11	A.	· · · · · · · · · · · · · · · · · · ·		•
2:18:37 12		tant, nobody has done the infectious dose by	12:20:17 12	interrupt, but.
2:18:41 <b>13</b> 2:18:43 <b>14</b>	the air.	Wall that would be unothical wouldn't it	12:20:18 13	<b>A.</b> So one of the things you would like to know is if there's an examism in the air and if we did
	Q.	Well that would be unethical, wouldn't it,	12:20:21 14	is if there's an organism in the air and if we did
2:18:46 15	in a hun		12:20:25 15	this hypothetical study where we actually had good
2:18:46 16		Well that would be unethical in a human, but	12:20:29 16	microbiology; did it start, first of all, in the flora
	you cou	d count, in the study that I was proposing, or	12:20:32 17	of the patient, the microbiome, somehow get into the
2:18:49 <b>17</b>		er study, show me that one organism in the	12:20:35 18	air I mean, I can imagine how that might happen,
2:18:49 <b>17</b> 2:18:52 <b>18</b>			12:20:38 19	and then land or are we talking about a totally
2:18:49 <b>17</b> 2:18:52 <b>18</b> 2:18:55 <b>19</b>	air, a m	arkered orga markered species that landed		gittoront organism that started on the ground which
2:18:49	air, a ma later int	arkered orga markered species that landed o the wound, not start with the wound and go	12:20:42 <b>20</b>	different organism that started on the ground, which
2:18:49 17 2:18:52 18 2:18:55 19 2:19:01 20 2:19:01 21	air, a malater into	o the wound, not start with the wound and go	12:20:45 <b>21</b>	is what you postulated initially, got whipped up by a
2:18:49 17 2:18:52 18 2:18:55 19 2:19:01 20 2:19:01 21 2:19:01 22	air, a ma later int	the wound, not start with the wound and go  Let me ask you this	12:20:45 <b>21</b> 12:20:49 <b>22</b>	is what you postulated initially, got whipped up by a device and then hung over the wound and then caused
2:18:49 17 2:18:52 18 2:18:55 19 2:19:01 20 2:19:01 21 2:19:01 22 2:19:04 23	air, a malater into	o the wound, not start with the wound and go	12:20:45 <b>21</b> 12:20:49 <b>22</b> 12:20:54 <b>23</b>	is what you postulated initially, got whipped up by a device and then hung over the wound and then caused the infection.
2:18:49 17 2:18:52 18 2:18:55 19 2:19:01 20 2:19:01 21 2:19:01 22 2:19:04 23 2:19:06 24	air, a malater into out, Q.	the wound, not start with the wound and go  Let me ask you this	12:20:45 <b>21</b> 12:20:49 <b>22</b>	is what you postulated initially, got whipped up by a device and then hung over the wound and then caused
2:18:49 17 2:18:52 18 2:18:55 19 2:19:01 20 2:19:01 21 2:19:01 22 2:19:04 23 2:19:06 24	air, a malater into out, Q. A.	the wound, not start with the wound and go  Let me ask you this	12:20:45 <b>21</b> 12:20:49 <b>22</b> 12:20:54 <b>23</b>	is what you postulated initially, got whipped up by a device and then hung over the wound and then caused the infection.
2:18:49 17 2:18:52 18 2:18:55 19 2:19:01 20 2:19:01 21 2:19:01 22 2:19:04 23	air, a malater into out, Q. A. same	the wound, not start with the wound and go  Let me ask you this and then caused an infection with that	12:20:45 <b>21</b> 12:20:49 <b>22</b> 12:20:54 <b>23</b> 12:20:57 <b>24</b>	is what you postulated initially, got whipped up by a device and then hung over the wound and then caused the infection.  Q. Are you asking me a question?

	CASE 0:15-md-02666-JNE-DTS Doc CONFIDENTIAL - SUBJECT TO PROTECTIVE ORDER	823-7	Filed 09/12/17 Page 45 of 95 CONFIDENTIAL - SUBJECT TO PROTECTIVE ORDER
	CONFIDENTIAL - SUBJECT TO PROTECTIVE ORDER		CONFIDENTIAL - SUBJECT TO PROTECTIVE ORDER
12:21:01	<b>Q.</b> Well let's see let's go to the Darouiche	12:22:56	or not any of those bacteria he found were involved in
12:21:04	article just a couple things.	12:23:00	the infections.
12:21:05	A. Okay.	12:23:01 3	<b>Q.</b> Okay. So we need to do microbiological
12:21:05 4	Q. You do understand that he found a	12:23:04	testing. That's your criticism.
12:21:07 <b>5</b>	correlation between bacterial load in the air and	12:23:06 <b>5</b>	A. Absolutely.
12:21:14 6	periprosthetic joint infections, but no correlation	12:23:07 6	<b>Q.</b> Okay.
12:21:16 7	with superficial wound infections.	12:23:07 7	A. And, you know
12:21:18	A. That's what he said, yeah.	12:23:07	Q. Okay.
12:21:20	Q. Do you agree with that?	12:23:08 9	A what what, three Staph and one mixed
12:21:20 10	A. Yeah. No, he said that.	12:23:11 10	infection.
12:21:22 11	Q. Okay. But do you have any disagreement of	12:23:40 11	(Discussion off the stenographic record.)
12:21:23 12	that,	12:23:47 12	MR. ASSAAD: Let's take a break for lunch,
12:21:25 13	MR. COREY GORDON: Object to the form of	12:23:49 13	guys.
12:21:25 14	the question.	12:23:50 14	THE WITNESS: Okay.
12:21:25 15	Q or criticism of that?	12:23:52 15	THE REPORTER: Off the record, please.
12:21:27 16	<b>A.</b> He's reporting what he found, and I'm saying	12:23:55 16	(Luncheon recess taken at
12:21:29 17	if that's what he reported, that's what we'll go with.	17	approximately 12:23 p.m.)
12:21:31 18	Q. Well, doctor, you've done a huge literature	18	
12:21:34 19	review and you've agreed with some articles, you've	19	
12:21:37 <b>20</b>	disagreed with some articles. I'm asking: Do you	20	
12:21:39 <b>21</b>	disagree with that conclusion?	21	
12:21:40 <b>22</b>	A. On his? No.	22	
12:21:41 23	Q. Okay.	23	
12:21:41 <b>24</b>	A. I mean, that's what he found.	24	
12:21:42 <b>25</b>	Q. Okay. And you don't disagree with it.	25	
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	CONFIDENTIAL CURIECT TO PROTECTIVE ORDER		
	CONFIDENTIAL - SUBJECT TO PROTECTIVE ORDER		CONFIDENTIAL - SUBJECT TO PROTECTIVE ORDER
10:21:44 1	170	1	CONFIDENTIAL - SUBJECT TO PROTECTIVE ORDER 172
12:21:44 <b>1</b>	170 <b>A.</b> Yeah.	1 2	CONFIDENTIAL - SUBJECT TO PROTECTIVE ORDER 172 AFTERNOON SESSION
12:21:44 <b>1</b> 12:21:44 <b>2</b> 12:22:04 <b>3</b>	A. Yeah. Q. Okay. So you agree that the bacterial	2	CONFIDENTIAL - SUBJECT TO PROTECTIVE ORDER 172 AFTERNOON SESSION (Deposition reconvened at
12:21:44 <b>2</b>	A. Yeah. Q. Okay. So you agree that the bacterial sampling over the surgical site in the Darouiche study		CONFIDENTIAL - SUBJECT TO PROTECTIVE ORDER 172 AFTERNOON SESSION
12:21:44 <b>2</b> 12:22:04 <b>3</b>	A. Yeah. Q. Okay. So you agree that the bacterial sampling over the surgical site in the Darouiche study has a direct correlation with periprosthetic joint	3	CONFIDENTIAL - SUBJECT TO PROTECTIVE ORDER 172  AFTERNOON SESSION (Deposition reconvened at approximately 12:53 p.m.) BY MR. ASSAAD:
12:21:44 <b>2</b> 12:22:04 <b>3</b> 12:22:07 <b>4</b>	A. Yeah. Q. Okay. So you agree that the bacterial sampling over the surgical site in the Darouiche study	2 3 4	CONFIDENTIAL - SUBJECT TO PROTECTIVE ORDER 172 AFTERNOON SESSION (Deposition reconvened at approximately 12:53 p.m.)
12:21:44 <b>2</b> 12:22:04 <b>3</b> 12:22:07 <b>4</b> 12:22:11 <b>5</b>	A. Yeah. Q. Okay. So you agree that the bacterial sampling over the surgical site in the Darouiche study has a direct correlation with periprosthetic joint infection, you just don't know where that bacteria	2 3 4 12:53:42 5	CONFIDENTIAL - SUBJECT TO PROTECTIVE ORDER  172  AFTERNOON SESSION  (Deposition reconvened at approximately 12:53 p.m.)  BY MR. ASSAAD:  Q. Are you ready to continue, doctor?
12:21:44 <b>2</b> 12:22:04 <b>3</b> 12:22:07 <b>4</b> 12:22:11 <b>5</b> 12:22:13 <b>6</b>	A. Yeah. Q. Okay. So you agree that the bacterial sampling over the surgical site in the Darouiche study has a direct correlation with periprosthetic joint infection, you just don't know where that bacteria came from. Is that correct?	2 3 4 12:53:42 5 12:53:46 6	CONFIDENTIAL - SUBJECT TO PROTECTIVE ORDER  172  AFTERNOON SESSION  (Deposition reconvened at approximately 12:53 p.m.)  BY MR. ASSAAD:  Q. Are you ready to continue, doctor?  A. Sure. Thank you.
12:21:44 <b>2</b> 12:22:04 <b>3</b> 12:22:07 <b>4</b> 12:22:11 <b>5</b> 12:22:13 <b>6</b> 12:22:15 <b>7</b>	A. Yeah. Q. Okay. So you agree that the bacterial sampling over the surgical site in the Darouiche study has a direct correlation with periprosthetic joint infection, you just don't know where that bacteria came from. Is that correct?  MR. COREY GORDON: Object to the form of	2 3 4 12:53:42 5 12:53:46 6 12:53:47 7	CONFIDENTIAL - SUBJECT TO PROTECTIVE ORDER  172  AFTERNOON SESSION (Deposition reconvened at approximately 12:53 p.m.)  BY MR. ASSAAD:  Q. Are you ready to continue, doctor?  A. Sure. Thank you. Q. Let's go to page 77 of your report regarding
12:21:44 <b>2</b> 12:22:04 <b>3</b> 12:22:07 <b>4</b> 12:22:11 <b>5</b> 12:22:13 <b>6</b> 12:22:15 <b>7</b> 12:22:16 <b>8</b>	A. Yeah. Q. Okay. So you agree that the bacterial sampling over the surgical site in the Darouiche study has a direct correlation with periprosthetic joint infection, you just don't know where that bacteria came from. Is that correct?  MR. COREY GORDON: Object to the form of the question.	2 3 4 12:53:42 5 12:53:46 6 12:53:47 7 12:53:50 8	CONFIDENTIAL - SUBJECT TO PROTECTIVE ORDER  172  AFTERNOON SESSION (Deposition reconvened at approximately 12:53 p.m.)  BY MR. ASSAAD:  Q. Are you ready to continue, doctor?  A. Sure. Thank you. Q. Let's go to page 77 of your report regarding the animal studies.
12:21:44 <b>2</b> 12:22:04 <b>3</b> 12:22:07 <b>4</b> 12:22:11 <b>5</b> 12:22:13 <b>6</b> 12:22:15 <b>7</b> 12:22:16 <b>8</b> 12:22:16 <b>9</b>	A. Yeah. Q. Okay. So you agree that the bacterial sampling over the surgical site in the Darouiche study has a direct correlation with periprosthetic joint infection, you just don't know where that bacteria came from. Is that correct?  MR. COREY GORDON: Object to the form of the question.  A. I surely don't know where the bacteria came	2 3 4 12:53:42 5 12:53:46 6 12:53:57 7 12:53:50 8 12:53:53 9	CONFIDENTIAL - SUBJECT TO PROTECTIVE ORDER  172  AFTERNOON SESSION (Deposition reconvened at approximately 12:53 p.m.)  BY MR. ASSAAD:  Q. Are you ready to continue, doctor?  A. Sure. Thank you. Q. Let's go to page 77 of your report regarding the animal studies.  A. Okay.
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12:21:44	A. Yeah. Q. Okay. So you agree that the bacterial sampling over the surgical site in the Darouiche study has a direct correlation with periprosthetic joint infection, you just don't know where that bacteria came from. Is that correct?  MR. COREY GORDON: Object to the form of the question.  A. I surely don't know where the bacteria came from, and he certainly didn't match it to his four infections. It's a very small number of infections,	2 3 4 12:53:42 5 12:53:46 6 12:53:47 7 12:53:50 8 12:53:53 9 12:53:54 10 12:53:56 11	CONFIDENTIAL - SUBJECT TO PROTECTIVE ORDER  172  AFTERNOON SESSION (Deposition reconvened at approximately 12:53 p.m.)  BY MR. ASSAAD:  Q. Are you ready to continue, doctor?  A. Sure. Thank you. Q. Let's go to page 77 of your report regarding the animal studies.  A. Okay. Q. And you cited these studies because you believe they help you formulate your opinion; correct?
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12:21:44	A. Yeah. Q. Okay. So you agree that the bacterial sampling over the surgical site in the Darouiche study has a direct correlation with periprosthetic joint infection, you just don't know where that bacteria came from. Is that correct?  MR. COREY GORDON: Object to the form of the question.  A. I surely don't know where the bacteria came from, and he certainly didn't match it to his four infections. It's a very small number of infections, but he didn't match it.  Q. But we do know that when the bacterial load, the CFUs were increased over the over the surgical site that there was a statistically significant increase in periprosthetic joint infections; correct?  A. That was his correlation, absolutely correct.  Q. And you don't disagree with that.  A. No.  Q. Okay. Your Your criticism is you don't know whether that bacteria came from the patient's flora or from somewhere else, and there needs to be further testing to determine that.	2 3 4 12:53:42 5 12:53:46 6 12:53:47 7 12:53:50 8 12:53:54 10 12:53:56 11 12:53:58 12 12:53:59 13 12:54:00 14 12:54:01 15 12:54:01 16 12:54:01 17 12:54:01 19 12:54:14 20 12:54:14 21 12:54:21 22 12:54:21 23 12:54:23 24	AFTERNOON SESSION (Deposition reconvened at approximately 12:53 p.m.)  BY MR. ASSAAD:  Q. Are you ready to continue, doctor? A. Sure. Thank you. Q. Let's go to page 77 of your report regarding the animal studies. A. Okay. Q. And you cited these studies because you believe they help you formulate your opinion; correct? A. Yes. Q. And you believe that they're authoritative; correct? A. Yes. Q. Okay. Let's go to the New Zealand study of white rabbits? MR. COREY GORDON: Exhibit 8? A. Oh, Craig? Okay. MR. COREY GORDON: Oh. I'm sorry. Q. And that's a They used 10 animals, and they inoculated the the rabbits with 10 times 5 to 10 times 8 CFUs; correct? A. Yeah, I have 10 to the 2, 10 to the 4.

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2:54:30 1	Q.	173 The third one down, New Zealand	12:56:18	Α.	175 Well the focus I had was on the infecting
2:54:30 2	<b>д</b> . А.	Oh, third one down.	12:56:18 2	dose.	Well the locus I had was on the infecting
:54:30 <b>2</b>	Q.	Yes.	12:56:18 3	<b>Q</b> .	Okay.
54:30 <b>4</b>	д. А.	Oh, okay.	12:56:18 4	д. А.	That's what I was trying to get at.
-	Q.	I'm sorry, that's the second New Zealand.	.2.00.21	Q.	Well this didn't really talk about infecting
	д. А.	All right. Okay.		-	s was more of, like, what occurs when the
54:34	Q.	New Zealand likes their rabbits, I guess,	_		when the when the rabbit gets infected,
54:35 <b>/</b> 54:37 <b>8</b>	huh?	New Zealand likes their rabbits, 1 guess,		-	wing the infection by doing MRI; correct?
		Veeb Okey Cet it		and rono	
54:37 9		Yeah. Okay. Got it.		the gues	MR. COREY GORDON: Object to the form o
54:39 10		So you agree that study wasn't it was	12:56:33 10	the ques	
i4:41 <b>11</b>	-	how the mechanism of these implants getting	12:56:33 11		What
4:44 12		they didn't look at inoculation dose.	12:56:34 12		Correct; "yes" or "no"?
4:48 13		Well a lot of studies in fact are trying to	12:56:35 13		In other words, I'm trying to find any data
4:51 14	_	gh a infected dose so they can actually track	12:56:37 14		uld, at least in a brief survey, of what it
4:56 15	_	oing on with these type of infections rather	12:56:40 15		infect the joint,
4:58 16		ling up the dose to know exactly what the ${\rm ID}_{\scriptscriptstyle{50}}$	12:56:41 16		Okay. So you like
5:03 17	is, for ex		12:56:42 17		and this was one of the studies.
5:04 18	Q.	Exactly.	12:56:44 18	Q.	So you like to take you like to take the
5:04 19		And this study, if you recall, they were	12:56:45 19	data tha	t supports your position
5:06 <b>20</b>	looking a	about ho tracking the infection and they	12:56:46 <b>20</b>	Α.	No.
5:10 <b>21</b>	did MRIs	and everything. Do you recall?	12:56:47 <b>21</b>	Q.	and then disregard data that doesn't
i5:11 <b>22</b>	A.	Umm-hmm.	12:56:48 <b>22</b>	support	your position; correct?
5:14 <b>23</b>	Q.	"Yes"?	12:56:50 23	A.	No, that's not true.
5:14 <b>24</b>	A.	Yes.	12:56:51 <b>24</b>	Q.	So you think that
5:15 <b>25</b>	Q.	Okay.	12:56:52 <b>25</b>	A.	I've already shown you studies where there
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5:28 <b>1</b>		(Discussion off the stenographic record.)	12:56:55 <b>1</b>		a that I had, some clinical data, where it
5:28 2		(Wenzel Exhibit 9 marked for	12:56:57	_	pport it, so you know that.
5:35 3		identification.)	12:56:59		But you disregard the the these
5:35 4		(Discussion off the stenographic record.)	12:57:01 4		here that did this study that said that the
5:35 5		ASSAAD:	12:57:05 <b>5</b>		nat the main source of contamination in total
5:35 6	Q.	Doctor, you've read this study; correct?	12:57:10 6	joint rep	lacement is wound infection via operating
5:37	A.	I have.	12:57:12 7	room.	
5:38	Q.	And you relied upon this study; correct?	12:57:12		You disregard that; correct?
5:41 9	A.	I did.	12:57:13	Α.	I disagree with that. That had nothing
5:41 10	Q.	Okay. Let's go to the "Discussion" section	12:57:16 10	related -	- They didn't look at where the organisms
5:47 <b>11</b>	on page	3 of this study.	12:57:18 11	came fro	m here. They had them in the syringe and
5:52 12	A.	Okay.	12:57:21 12	injected	them.
5:54 13	Q.	On the second paragraph under "Discussion"	12:57:22 13	Q.	Okay. But that's why they injected them th
5:56 14	it says:	"Because the main source of contamination in	12:57:25 14		/ did; correct?
6:00 15	-	nt replacement is wound infection via	12:57:26 15	·	MR. COREY GORDON: Object to the form of
6:03 16	_	g room air, we attempted to mimic	12:57:27 16	the ques	tion, also lack of foundation.
6:05 17	-	ative contamination by inoculating the	12:57:28 17	· -	I mean
6:07 18	-	into the joint immediately after wound	12:57:28 18	Α.	I don't know why they did what they did, bu
6:10 19	closure.'		12:57:30 19		say that they they think it's airborne. I
6:10 20		Did I read that correctly?	12:57:34 <b>20</b>	-	with that.
6:13 <b>21</b>	Α.	Yes. That's what they say.	12:57:34 21		It says
6:13 22		You disagree with that; don't you?	12:57:34 21		They injected animals, and that's the kind
6:15 <b>22</b>		I do.	12:57:34 <b>22</b>		that they used to get infection.
6:15 <b>23</b> 6:15 <b>24</b>		Okay. So disagree with a study that you	12:57:37 23		"we attempted to mimic perioperative
66:16 <b>25</b>	UIIIK IS	authoritative; correct?	12:57:40 <b>25</b>	COIICAIIIII	nation by inoculating the bacteria in the joint
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	CONFIDENTIAL - SUBJECT TO PROTECTIVE ORDER		CONFIDENTIAL - SUBJECT TO PROTECTIVE ORDER
12:57:42 <b>1</b>	immediately after wound closure."	12:59:53	model, yes, you can create an infection by injecting
12:57:44 <b>2</b>	Did I read that correctly?	12:59:56 2	organisms directly into the joint or injecting
12:57:44 3	A. Yes.	13:00:00 3	organisms into the vein. That's not what surgeons do
12:57:45	<b>Q.</b> And they did that because the main source of	13:00:02 4	when they're putting a prosthesis in. They don't take
12:57:47 <b>5</b>	contamination, according to them, in total re joint	13:00:05 <b>5</b>	a syringe of Staph, inject it directly into the joint
12:57:51 6	replacement is wound infection via operating room air;	13:00:09 6	or put it into the IV.
12:57:54 7	correct?	13:00:11 7	<b>Q.</b> Can we agree at least that it's at least a
12:57:55	A. That's what they said.	13:00:15	magnitude of 100 times less between a superficial and
12:57:56 <b>9</b>	MR. COREY GORDON: Object to the form of	13:00:18	a prosthetic?
12:57:58 10	the question, lack of foundation.	13:00:19 10	A. I don't know I don't know what the number
12:58:21 11	Q. Going to page 78.	13:00:21 11	is, so I've told you that. I think it's going to be
12:58:23 12	<b>A.</b> Okay.	13:00:24 12	less. I don't know.
12:58:28 13	Q. Under the sheep model,	13:00:24 13	Q. How much less?
12:58:30 14	<b>A.</b> Yeah.	13:00:27 14	<b>A.</b> I don't know.
12:58:31 15	Q Williams D. L.,	13:00:27 15	You asked me to, you know, come up with a
12:58:33 16	A. Yeah.	13:00:29 16	number, and then you say, well don't guess, because
12:58:33 17	Q the Journal of Biomedical Materials;	13:00:32 17	there just aren't the data.
12:58:36 18	correct?	13:00:33 18	Now the other thing to tell you related to
12:58:36 19	A. Yes.	13:00:35 19	You want to jump from here to people, which is
12:58:37 20	Q. They inoculated the sheep with only 10 CFU;	13:00:37 20	fine
12:58:40 21	correct?	13:00:38 21	Q. I don't want to jump to people yet.
12:58:40 22	<b>A.</b> Yeah, on the membrane.	13:00:40 22	A you know, but, you know, to infect a
12:58:43 23	Q. Okay. And that's not that many CFU;	13:00:44 23	rabbit by injecting it into the joint, I would say,
12:58:45 24	correct?	13:00:47 24	yes, it takes very few bacteria.
12:58:46 <b>25</b>	A. That's a low number.	13:00:50 <b>25</b>	Q. Okay.
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12:58:47	<b>Q.</b> Okay. And in fact isn't it fair or accurate	13:00:50 1	<b>A.</b> That's what I'll know from this study. Or
12:58:54 2	that in this point in time you have absolutely no	13:00:53	sheep, in this case.
12:58:58 3	opinion to the amount of CFUs required to cause a	13:00:54	Q. And as little
12:59:03 4	periprosthetic joint infection?	13:00:55 4	When you're injecting as little as 17
12:59:05 5	<b>A.</b> What I would say is that I think I think	13:00:57 5	bacteria.
12:59:09 6	it's fewer organisms to cause a periprosthetic	13:00:58 6	A. They're very low numbers, yeah.
12:59:16	infection than with a non-periprosthetic infection.	13:01:01 7	Q. But the rabbit study we showed 17
12:59:19 <b>8</b>	If you asked me to come up with a number, it's harder to find that. You want me to pick a number and?	13:01:01 <b>8</b> 13:01:04 <b>9</b>	A. Yeah. Q bacteria based on the IV for 50
12:59:22 <b>9</b> 12:59:26 <b>10</b>	·	13:01:04 <b>9</b> 13:01:05 <b>10</b>	<b>Q.</b> bacteria based on the IV for 50 percent of the population from rabbits;
12:59:26 10	<ul><li>Q. I don't want you to guess.</li><li>A. Yeah.</li></ul>	13:01:05 10	A. Yeah.
12:59:27 11	Q. I mean, I'm looking at your last paragraph.	13:01:07 11	Q correct?
12:59:27 12	A. Yeah.	13:01:07 12	A. I think that's right.
12:59:30 14	Q. I mean, you do say, "It is generally thought	13:01:09 14	Where was that where you're referring to?
12:59:32 15	that with a foreign body (joint prosthesis), the	13:01:11 15	<b>Q.</b> On the first one, the Southwood.
12:59:36 16	infecting dose of bacteria is less than that for	13:01:13 16	A. The Southwood. Okay.
12:59:39 17	surgeries in which no foreign device is placed";	13:01:20 17	Yeah.
12:59:41 18	correct?	13:01:20 18	<b>Q.</b> Okay?
12:59:42 19	<b>A.</b> And I stand by that.	13:01:20 19	<b>A.</b> Yeah.
12:59:42 <b>20</b>	Q. Okay. You just don't know what the	13:01:21 <b>20</b>	Q. And that's for 50 percent of the population
12:59:44 <b>21</b>	infecting dose is; correct?	13:01:24 <b>21</b>	to infect; correct?
12:59:45 <b>22</b>	A. That's true.	13:01:25 <b>22</b>	<b>A.</b> Of animals, right.
12:59:45 23	Q. But we could agree, based on some of the	13:01:28 23	Q. Okay. So that means 17 CFUs would infect 50
12:59:48 <b>24</b>	rabbit models, that it could be as low as 17.	13:01:31 <b>24</b>	percent of the rabbits in that scenario.
12:59:50 <b>25</b>	A. No, that's not true. In the experimental	13:01:32 <b>25</b>	<b>A.</b> If you inject them.
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13:01:34	Q.	If you inject them.	13:04:57	which he	compared biological load and surgical-site
13:01:35		Which means that there is a percentage of	13:05:00 2		prosthetic joint infections; correct?
13:01:36	neonle t	hat percentage of rabbits that require less	13:05:03		Yes.
13:01:40 4	than	hat percentage of rubbits that require less	13:05:05 4		And you found out that all patients were
	<b>A.</b>	Might be.	_		were given a warming device; correct?
•	Q.	17 CFU	_		That's what he said.
13:01:41			-	_	
13:01:42	Α.	Might be.	•	Q.	Okay. That's all I have.
13:01:42	Q.	to cause an infection.	13:05:18		What is the difference between a superficial
13:01:43	Α.	Yeah.	13:05:22	_	site infection and a periprosthetic joint
13:01:44 10	Q.	Okay.	13:05:24 10	infection	
13:01:51 11		(Interruption by the reporter.)	13:05:25 11		Well a deep infection would be that at the
13:01:51 12		ASSAAD:	13:05:28 12		vel or below.
13:01:53 13		And in fact if you go back to Exhibit Number	13:05:29 13		Is a deep joint infection different than a
13:01:56 14	8, you s	ee that under Figure 2 that as little as one	13:05:33 14	periprost	thetic joint infection?
13:02:12 15	CFU cou	ld cause an infection in the rabbits under the	13:05:33 15	Α.	I would classify them the same as deep
3:02:20 16	medulla	ry graph.	13:05:35 16	infection	
3:02:22 17	Α.	1.3 times 10 to the something.	13:05:36 17	Q.	Well you could have a deep infection but not
13:02:24 18	Q.	No. I'm looking at the graph itself. You	13:05:37 18	have l	out it doesn't reach the joint; correct?
3:02:26 19	see whe	re You see where it says "Medullary (no	13:05:40 19	A.	Could possibly, yeah.
13:02:30 <b>20</b>	prosthes	sis)", it starts around 20?	13:05:41 <b>20</b>	Q.	Okay.
13:02:32 <b>21</b>	A.	Yeah.	13:05:42 <b>21</b>	A.	But by that time you're in trouble, yeah.
13:02:32 <b>22</b>	Q.	Okay. That means for anything below 20	13:05:44 <b>22</b>	Q.	You're in trouble, but there is a
13:02:35 23		) to the X there was no infection; correct?	13:05:45 23		on; correct?
3:02:39 24	_	Yes.	13:05:46 <b>24</b>		There could be, yeah.
3:02:39 <b>25</b>	Q.	But with the medullary where there was a	13:05:47 <b>25</b>	Q.	Okay. I mean, there is technically a
10.02.03	٠.	STIREWALT & ASSOCIATES	10.00.47	Ψ.	STIREWALT & ASSOCIATES
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		182		00	184
13:02:41	prosthe	sis you agree that it almost starts at zero.	13:05:49	superfici	al surgical-site infection; correct? Which
13:02:44		It's very low.	13:05:53	is	ar sargicar sice infection, correct. Which
13:02:45		Very low. Less than 17.	13:05:53		There are superficial.
	A.			_	pretty much the skin area and the first
13:02:47 <b>4</b> 13:02:47 <b>5</b>	Α.		_		eyers, the first
•	+h.o. a.v.o.	MR. COREY GORDON: Object to the form of	_		
13:02:47 6	the ques		13:05:57 6		Yeah.
13:02:49 7	_	Okay. 17 CFUs was for the 50 percent;	13:05:57		, , ,
13:02:51	correct?	<del></del>	13:06:00	include t	he or
13:02:53	Α.	That's what they found.	13:06:03		So you could have a deep a deep
13:02:53 10	Q.	Okay.	13:06:07 10		, right, which could include the joint or may
13:02:53 11		(Wenzel Exhibit 10 marked for	13:06:10 11		de the joint; correct?
13:02:53 12		identification.)	13:06:11 12		Yes.
13:02:53 13		ASSAAD:	13:06:11 13		And then you have a periprosthetic joint
13:04:29 14	Q.	What's been marked as Exhibit 10 are emails	13:06:13 14	infection	which definitely includes the joint;
	betweer	you and Dr. Darouiche that was provided to us.	13:06:14 15	correct?	
13:04:31 15		k like the email that you've had between him?	13:06:15 16	A.	That is the same.
	This lool	t like the email that you ve had between him:			
13:04:35 16		Yes.	13:06:16 17	Q.	Okay.
3:04:35 <b>16</b> 3:04:37 <b>17</b>			13:06:16 <b>17</b> 13:06:17 <b>18</b>	Q. A.	Okay. I would use the same.
13:04:35 <b>16</b> 13:04:37 <b>17</b> 13:04:38 <b>18</b>	A. Q.	Yes.			•
13:04:35	A. Q.	Yes. And I just want to talk about one thing.	13:06:17 18	Α.	I would use the same.
3:04:35	<b>A.</b> <b>Q.</b> During -	Yes. And I just want to talk about one thing During You questioned him about this study in	13:06:17 <b>18</b> 13:06:20 <b>19</b>	A. Q. A.	I would use the same. You'd use the same? Yeah.
13:04:35	A. Q. During -	Yes. And I just want to talk about one thing During	13:06:17 <b>18</b> 13:06:20 <b>19</b> 13:06:20 <b>20</b>	A. Q. A. Q.	I would use the same. You'd use the same? Yeah. You've never seen it in the literature where
13:04:35 16 13:04:37 17 13:04:38 18 13:04:41 19 13:04:42 20 13:04:45 21 13:04:47 22	A. Q. During -	Yes. And I just want to talk about one thing During You questioned him about this study in ting your opinions in this case; correct? Yeah.	13:06:17 <b>18</b> 13:06:20 <b>19</b> 13:06:20 <b>20</b> 13:06:20 <b>21</b> 13:06:21 <b>22</b>	A. Q. A. Q. it's been	I would use the same. You'd use the same? Yeah. You've never seen it in the literature where distinguished?
13.04:35 16 13:04:37 17 13:04:38 18 13:04:41 19 13:04:42 20 13:04:45 21 13:04:47 22 13:04:47 23	A. Q. During - formulat A. Q.	Yes. And I just want to talk about one thing During You questioned him about this study in ting your opinions in this case; correct? Yeah. Okay. And in fact one of your questions was	13:06:17	A. Q. A. Q. it's been A.	I would use the same. You'd use the same? Yeah. You've never seen it in the literature where distinguished? No, I said I would I would say a
13:04:31 15 13:04:35 16 13:04:37 17 13:04:38 18 13:04:41 19 13:04:42 20 13:04:45 21 13:04:47 22 13:04:47 23 13:04:50 24	A. Q. During - formulat A. Q. whether	Yes. And I just want to talk about one thing During You questioned him about this study in ting your opinions in this case; correct? Yeah. Okay. And in fact one of your questions was for not a forced-air warming device was used in	13:06:17	A. Q. A. Q. it's been A. periprost	I would use the same. You'd use the same? Yeah. You've never seen it in the literature where distinguished? No, I said I would I would say a thetic joint is a deep joint infection, yeah.
13.04:35 16 13:04:37 17 13:04:38 18 13:04:41 19 13:04:42 20 13:04:45 21 13:04:47 22 13:04:47 23 13:04:50 24	A. Q. During - formulat A. Q. whether	Yes. And I just want to talk about one thing During You questioned him about this study in ting your opinions in this case; correct? Yeah. Okay. And in fact one of your questions was for not a forced-air warming device was used in rating room during his during the study in	13:06:17	A. Q. A. Q. it's been A.	I would use the same. You'd use the same? Yeah. You've never seen it in the literature where distinguished? No, I said I would I would say a thetic joint is a deep joint infection, yeah. Okay. But a deep joint infection may not
13.04:35 16 13:04:37 17 13:04:38 18 13:04:41 19 13:04:42 20 13:04:45 21 13:04:47 22 13:04:47 23	A. Q. During - formulat A. Q. whether the open	Yes. And I just want to talk about one thing During You questioned him about this study in ting your opinions in this case; correct? Yeah. Okay. And in fact one of your questions was for not a forced-air warming device was used in	13:06:17	A. Q. it's been A. periprost Q.	I would use the same. You'd use the same? Yeah. You've never seen it in the literature where distinguished? No, I said I would I would say a thetic joint is a deep joint infection, yeah.

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1	185		A To it possible that
3:06:26 <b>1</b> 3:06:26 <b>2</b>	include the peripros <b>A.</b> May not.	13:09:12 <b>1</b>	<ul><li>A. Is it possible that</li><li>Q. Yes.</li></ul>
•	Q. Okay.	_	A that it could happen?
:06:37 3	•		Q. Yes.
:06:37 <b>4</b> :06:38 <b>5</b>	(Interruption by the reporter.)  Q. A deep joint infection may not include a	_	A. I can't cite a study but, you know, I never
•	periprosthetic joint infection; correct?		say "always" or "never."
-	A. Yes.	_	<b>Q.</b> Well, for example, if a person handling the
	Q. Okay. And in fact you agree with me that		implant prior to placing it into the into the
•	you could have a periprosthetic joint infection and	_	joint, if the person's hands are not sterile and has
06:48 <b>9</b> 06:50 <b>10</b>	not have a superficial surgical-site infection.	13:09:38 <b>9</b> 13:09:41 <b>10</b>	contaminants you might contaminate the implant;
06:54 11	A. Yes.	13:09:41 10	correct?
06:54 11	Q. Okay. And in fact you could have a	13:09:43	<b>A.</b> So in a hypothetical situation if somebody
06:59 13	periprosthetic joint infection and not have a a	13:09:44 12	contaminates the implant, the implant is contaminated
06:59 13	deep wound infection.	13:09:47 13	<b>Q.</b> Yes.
07:06 15	<b>A.</b> Yeah, I can't cite anything where I know	13:09:50 14	A. Yes.
07:06 13	that, yeah.	13:09:50 15	Q. Okay. And, I mean, with everything, even
07:08 10	Q. And you agree that with respect to a	13:09:53 17	instruments, we sterilize instruments because we don
07:11 17	periprosthetic joint infection, that the most likely	13:09:54 17	want contaminated instruments to cause infection;
07:15 10	time that a a patient obtained the bacteria that	13:09:57 10	correct?
07:19 19	causes the periprosthetic joint infection was during	13:09:59 19	A. That's right.
07:26 21	the time that the patient was in surgery.	13:10:00 21	<b>Q.</b> There's been studies that sterilization of
07:26 21	MR. COREY GORDON: Object to the form of	13:10:00 <b>21</b>	instruments reduces the incident of infection;
07:28 22		13:10:03 22	correct?
07:29 23	the question.	13:10:06 <b>23</b>	A. I think so.
	<b>A.</b> Yeah, most people think that's the time when		
07:33 <b>25</b>	things happen. STIREWALT & ASSOCIATES	13:10:08 <b>25</b>	Q. I mean, otherwise I mean I mean, STIREWALT & ASSOCIATES
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1	186 <b>Q.</b> You don't disagree with that.	1	that's just common knowledge; correct?
07:34 1	<ul><li>Q. You don't disagree with that.</li><li>A. No.</li></ul>	13:10:11 <b>1</b>	A. Yes.
7:37 2	Q. Okay. Now let's just assume that we're		<b>Q.</b> I mean in fact there's really no prospective
7:38 3			, , ,
07:43 4	dealing with a a periprosthetic joint infection	13:10:17 4	study that washing hands reduces the incident of
07:46 5	that is not also a superficial wound infection. You agree that the bacteria that causes the infection	13:10:20 <b>5</b>	infection; is there? <b>A.</b> I think there's lots of studies that show
07:53 6	occurred perioperatively.	_	
08:02 /		13:10:23 <b>7</b> 13:10:24 <b>8</b>	O Prospective or retrospective?
08:05 8	<b>A.</b> Yes, MR. COREY GORDON: Object to the form of	_	<ul><li>Q. Prospective or retrospective?</li><li>A. Probably I would go back to Semmelweis.</li></ul>
08:06 9	_		_
08:07 <b>10</b>	the question. <b>A.</b> I think so.	13:10:27 <b>10</b> 13:10:27 <b>11</b>	Q. Okay.
08:07 <b>11</b>			(Interruption by the reporter.)
08:08 <b>12</b>	<b>Q.</b> As compared to someone having an untreated	13:10:34 12	(Discussion off the stenographic record.)
)8:11 <b>13</b>	superficial wound infection that tunneled down to the	13:10:34 13	A. Do you understand his studies?
08:12 <b>14</b>	joint.	13:10:34 14	Q. I know the study, but wasn't that
08:14 15	A. I see what you're saying, yes.	13:10:37 15	retrospective?
08:15 <b>16</b>	Q. Okay. So you agree with that; correct?	13:10:38 16	A. He was there through the whole time.  (Discussion off the standard phic record)
D8:18 <b>17</b>	A. Yeah.	13:10:42 17	(Discussion off the stenographic record.)
08:19 <b>18</b>	Q. And what is your opinion on what is getting	13:10:47 18	<b>Q.</b> But in any event, we agree that if devices
8:40 19	infect what where the bacteria is where the	13:10:51 19	that are used during a surgical procedure are
08:49 20	bacteria is when a periprosthetic joint infection	13:10:56 20	contaminated, they may cause infections.
08:52 <b>21</b>	And let me rephrase. That was a bad question. Strike	13:11:00 21	<b>A.</b> If you have a contaminated instrument, it's
08:55 22	that.	13:11:03 22	certainly possible that something might happen and the
08:55 23	You agree it's possible that the implant	13:11:06 23	patient could get infected.
9:06 24	itself could have bacteria on it before it's even	13:11:07 24	Q. And that that would be considered an
09:09 <b>25</b>	placed in the joint.	13:11:09 <b>25</b>	exogenous source; correct?
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13:11:12	<b>A.</b> It would be considered an exogenous source,	13:13:19	And the reason why he changes his gloves is
13:11:14	but let's make sure that we have the terms down. If	13:13:22	because he doesn't want to place any bacteria on the
13:11:19 3	the If the instrument that you are saying in this	13:13:25 3	implant; correct?
13:11:23 4	hypothetical case actually was contaminated with the	13:13:26	<b>A.</b> I think he wants to minimize any
13:11:26 5	patient's own flora, then we have to have a little bit	13:13:28 <b>5</b>	possibility.
13:11:29 6	more strict definition.	13:13:28 6	<b>Q.</b> Okay. And then after the im
13:11:31 7	<b>Q.</b> And I understand that. And that's why after	13:13:29 7	And then the implant is placed, and that
13:11:34	usually the first incision they change the scalpel so	13:13:31	bacteria, at a later point in time, may cause biofilm,
13:11:36	they don't infect the wound with the patient's flora;	13:13:35	which would make it very difficult for the body to
13:11:39 10	correct?	13:13:37 10	fight off.
13:11:40 11	MR. COREY GORDON: Object to the form of	13:13:38 11	<b>A.</b> In that scenario it could happen.
13:11:41 12	the question, assumes facts not in evidence.	13:13:40 12	Q. Okay. And in fact they do all this to not
13:11:43 13	<b>A.</b> As far as I know that's correct, yeah.	13:13:46 13	infect the patient; correct?
13:11:45 14	Q. Okay. I mean, you do understand that	13:13:47 14	<b>A.</b> Surgeons hate to have an infection.
13:11:48 15	orthopedic surgeons and the hospital staff in an	13:13:49 15	<b>Q.</b> And have you yourself looked at an implant
13:11:51 16	operating room have place procedures and techniques	13:13:55 16	under an electron microscope?
13:11:57 17	to reduce the risks of infection during an operating	13:13:57 17	A. No.
13:12:02 18	procedure.	13:13:57 18	Q. Okay. Are you aware that an implant is not
13:12:02 10	<b>A.</b> Surgeons hate to have an infection.	13:14:00 19	smooth and there are many crevices for bacteria to
13:12:05 20	Q. Okay.	13:14:00 13	place themselves in?
13:12:06 21	A. They really never want to have one.	13:14:06 <b>21</b>	<b>A.</b> Well I haven't looked at one, but it doesn't
13:12:08 22	<b>Q.</b> And in fact are you aware that many	13:14:09 22	surprise me, but I haven't looked at one.
13:12:09 23	surgeons, before they touch the implant, change their	13:14:11 23	Q. Okay. And you understand that the reason
13:12:12 24	gloves?	13:14:12 24	why the body has a difficult time removing an
13:12:12 25	A. Yes.	13:14:19 25	infection or bacteria from an implant is because
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13:12:13	<b>Q.</b> Okay. Because they don't want to infect the	13:14:23	there's very little vascularity to the implant.
13:12:18 <b>2</b>	implant; correct?	13:14:25 <b>2</b>	A. It's the
13:12:19 3	MR. COREY GORDON: Object to the form of	13:14:27 3	THE WITNESS: Go ahead. I'm sorry.
13:12:21 4	the question.	13:14:27 4	MR. COREY GORDON: No. Go ahead.
13:12:21 <b>5</b>	<b>Q.</b> Because if you if bacteria gets on the	13:14:29 <b>5</b>	<b>A.</b> It's the low vascularity and the biofilm I
13:12:23	implant, it may form biofilm and cause a serious	13:14:31 6	think are a couple of key
13:12:26 7	periprosthetic joint infection; correct?	13:14:32 7	Q. Is there any vascularity to an implant?
13:12:28	MR. COREY GORDON: Same objection.	13:14:36	A. None.
13:12:29	<b>A.</b> What I would say about biofilm, biofilm is	13:14:36 9	<b>Q.</b> Okay. So you would agree with me that once
13:12:32 10	occurs after the organisms are onto the implant.	13:14:38 10	someone has an infected implant, giving the patient
13:12:36 11	So contaminated hands don't cause a biofilm. The	13:14:45 11	antibiotics without any type of vascularity is pretty
13:12:41 <b>12</b> 13:12:45 <b>13</b>	organisms land on a site, there is a process under which quorum sensing occurs, and you know what I'm	13:14:47 <b>12</b> 13:14:48 <b>13</b>	much ineffective. <b>A.</b> That's not true. There are people in
13:12:45 <b>13</b> 13:12:49 <b>14</b>		13:14:48 <b>13</b> 13:14:50 <b>14</b>	A. macs not true. There are people in
	talking about And with guorum concing then the		Switzerland that have actually gone to drugs that
	talking about. And with quorum sensing then the biofilm is formed. It's sort of like a broadcast		Switzerland that have actually gone to drugs that penetrate the biofilm. Examples of such antibiotics
13:12:53 15	biofilm is formed. It's sort of like a broadcast	13:14:53 15	penetrate the biofilm. Examples of such antibiotics
13:12:53 <b>15</b> 13:12:57 <b>16</b>	biofilm is formed. It's sort of like a broadcast email to the other organisms to start making biofilm.	13:14:53 <b>15</b> 13:14:58 <b>16</b>	penetrate the biofilm. Examples of such antibiotics include the fluoroquinolones and rifampin.
13:12:53 15	biofilm is formed. It's sort of like a broadcast email to the other organisms to start making biofilm.  Q. And I understand that.	13:14:53 15	penetrate the biofilm. Examples of such antibiotics include the fluoroquinolones and rifampin.  (Interruption by the reporter.)
13:12:53 <b>15</b> 13:12:57 <b>16</b> 13:13:01 <b>17</b>	biofilm is formed. It's sort of like a broadcast email to the other organisms to start making biofilm.	13:14:53 <b>15</b> 13:14:58 <b>16</b> 13:15:01 <b>17</b>	penetrate the biofilm. Examples of such antibiotics include the fluoroquinolones and rifampin.
13:12:53	biofilm is formed. It's sort of like a broadcast email to the other organisms to start making biofilm.  Q. And I understand that.  My question was that the I'm not saying	13:14:53	penetrate the biofilm. Examples of such antibiotics include the fluoroquinolones and rifampin.  (Interruption by the reporter.)  THE WITNESS: Fluoroquinolones. Sorry.
13:12:53	biofilm is formed. It's sort of like a broadcast email to the other organisms to start making biofilm.  Q. And I understand that.  My question was that the I'm not saying that the surgeon transfers biofilm. Listen to my	13:14:53	penetrate the biofilm. Examples of such antibiotics include the fluoroquinolones and rifampin.  (Interruption by the reporter.)  THE WITNESS: Fluoroquinolones. Sorry. Fluoroquinolones and rifampin.
13:12:53	biofilm is formed. It's sort of like a broadcast email to the other organisms to start making biofilm.  Q. And I understand that.  My question was that the I'm not saying that the surgeon transfers biofilm. Listen to my question.	13:14:53	penetrate the biofilm. Examples of such antibiotics include the fluoroquinolones and rifampin.  (Interruption by the reporter.)  THE WITNESS: Fluoroquinolones. Sorry. Fluoroquinolones and rifampin.  A. And they've been able to spare patients
13:12:53	biofilm is formed. It's sort of like a broadcast email to the other organisms to start making biofilm.  Q. And I understand that.  My question was that the I'm not saying that the surgeon transfers biofilm. Listen to my question.  The surgeon changes his gloves because he doesn't want to contaminate the implant; correct?  A. I think that's correct.	13:14:53	penetrate the biofilm. Examples of such antibiotics include the fluoroquinolones and rifampin.  (Interruption by the reporter.)  THE WITNESS: Fluoroquinolones. Sorry. Fluoroquinolones and rifampin.  A. And they've been able to spare patients and I don't know totally what the follow-up is, so but 6 to 12 months later, without having to take the implant out. This is a hot area that people are
13:12:53 15 13:12:57 16 13:13:01 17 13:13:02 18 13:13:05 19 13:13:09 20 13:13:09 21 13:13:11 22 13:13:14 23 13:13:16 24	biofilm is formed. It's sort of like a broadcast email to the other organisms to start making biofilm.  Q. And I understand that.  My question was that the I'm not saying that the surgeon transfers biofilm. Listen to my question.  The surgeon changes his gloves because he doesn't want to contaminate the implant; correct?	13:14:53 15 13:14:58 16 13:15:01 17 13:15:01 18 13:15:02 19 13:15:02 20 13:15:11 21 13:15:15 22 13:15:18 23 13:15:18 24	penetrate the biofilm. Examples of such antibiotics include the fluoroquinolones and rifampin.  (Interruption by the reporter.)  THE WITNESS: Fluoroquinolones. Sorry. Fluoroquinolones and rifampin.  A. And they've been able to spare patients and I don't know totally what the follow-up is, so but 6 to 12 months later, without having to take the implant out. This is a hot area that people are trying to look at, because it's devastating to have
13:12:53 15 13:12:57 16 13:13:01 17 13:13:02 18 13:13:05 19 13:13:09 20 13:13:09 21 13:13:11 22 13:13:14 23	biofilm is formed. It's sort of like a broadcast email to the other organisms to start making biofilm.  Q. And I understand that.  My question was that the I'm not saying that the surgeon transfers biofilm. Listen to my question.  The surgeon changes his gloves because he doesn't want to contaminate the implant; correct?  A. I think that's correct.  Q. Okay. And the reason why you don't want to cause an im	13:14:53 15 13:14:58 16 13:15:01 17 13:15:01 18 13:15:02 19 13:15:02 20 13:15:11 21 13:15:15 22 13:15:18 23	penetrate the biofilm. Examples of such antibiotics include the fluoroquinolones and rifampin.  (Interruption by the reporter.)  THE WITNESS: Fluoroquinolones. Sorry. Fluoroquinolones and rifampin.  A. And they've been able to spare patients and I don't know totally what the follow-up is, so but 6 to 12 months later, without having to take the implant out. This is a hot area that people are trying to look at, because it's devastating to have the implant removed.
13:12:53 15 13:12:57 16 13:13:01 17 13:13:02 18 13:13:05 19 13:13:09 20 13:13:09 21 13:13:11 22 13:13:14 23 13:13:16 24	biofilm is formed. It's sort of like a broadcast email to the other organisms to start making biofilm.  Q. And I understand that.  My question was that the I'm not saying that the surgeon transfers biofilm. Listen to my question.  The surgeon changes his gloves because he doesn't want to contaminate the implant; correct?  A. I think that's correct.  Q. Okay. And the reason why you don't want to cause an im  STIREWALT & ASSOCIATES	13:14:53 15 13:14:58 16 13:15:01 17 13:15:01 18 13:15:02 19 13:15:02 20 13:15:11 21 13:15:15 22 13:15:18 23 13:15:18 24	penetrate the biofilm. Examples of such antibiotics include the fluoroquinolones and rifampin.  (Interruption by the reporter.)  THE WITNESS: Fluoroquinolones. Sorry.  Fluoroquinolones and rifampin.  A. And they've been able to spare patients and I don't know totally what the follow-up is, so but 6 to 12 months later, without having to take the implant out. This is a hot area that people are trying to look at, because it's devastating to have the implant removed.  STIREWALT & ASSOCIATES
13:12:53 15 13:12:57 16 13:13:01 17 13:13:02 18 13:13:05 19 13:13:09 20 13:13:09 21 13:13:11 22 13:13:14 23 13:13:16 24	biofilm is formed. It's sort of like a broadcast email to the other organisms to start making biofilm.  Q. And I understand that.  My question was that the I'm not saying that the surgeon transfers biofilm. Listen to my question.  The surgeon changes his gloves because he doesn't want to contaminate the implant; correct?  A. I think that's correct.  Q. Okay. And the reason why you don't want to cause an im  STIREWALT & ASSOCIATES 1-800-553-1953 info@stirewalt.com	13:14:53 15 13:14:58 16 13:15:01 17 13:15:01 18 13:15:02 19 13:15:02 20 13:15:11 21 13:15:15 22 13:15:18 23 13:15:18 24	penetrate the biofilm. Examples of such antibiotics include the fluoroquinolones and rifampin.  (Interruption by the reporter.)  THE WITNESS: Fluoroquinolones. Sorry.  Fluoroquinolones and rifampin.  A. And they've been able to spare patients and I don't know totally what the follow-up is, so but 6 to 12 months later, without having to take the implant out. This is a hot area that people are trying to look at, because it's devastating to have the implant removed.  STIREWALT & ASSOCIATES  1-800-553-1953 info@stirewalt.com

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CASE 0:15 md 02666 INF DTS

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		193		195
13:15:25	Q.	I understand. And And that's in	13:17:20 1	he He can't answer a compound question, and he
13:15:29 <b>2</b>		And that's in Switzerland, you said?	13:17:22 2	
13:15:31 3	A.	Yeah.	13:17:24 3	·
13:15:31 4	Q.	Okay. But in the United States are we using	13:17:25 4	
13:15:33 <b>5</b>		rugs yet?	13:17:26 5	
13:15:34 6		We are.	13:17:30 6	
13:15:35 7	Q.	Okay. And you don't know how effective they	13:17:31 7	
13:15:37	are.	Skayt find you don't know flow effective they	13:17:33	
13:15:38 9		They look effective, and so when we're	13:17:34 9	
13:15:40 10		these infections, we're you know, trying	13:17:35 10	, , , , , , , , , , , , , , , , , , , ,
13:15:42 11	_	hings down if it's already infected, we will	13:17:37 11	
13:15:46 12		e a drug that penetrates biofilm; one of those	13:17:40 12	
13:15:49 13		gs, plus other antibiotics. So that's going	13:17:42 13	
13:15:49 13	on.	gs, plus other antibiotics. So that's going	13:17:42 13	
13:15:54 15	011.	Are there patients in this country where you	13:17:42 14	,
	can't fo	Are there patients in this country where you		, ,
13:15:57 16		r some reason, maybe a very old person who	13:17:48 16	
13:16:01 17		tolerate a surgery, as an example. Are they	13:17:50 17	_
13:16:05 18		these drugs? Yes, they are, to try to spare	13:17:52 18	
13:16:08 19		have a surgery. With some success.	13:17:52 19	_
13:16:10 20		Are these drugs done intravenously, or is it	13:17:53 20	,
13:16:13 21		are they inoculated directly with the	13:17:55 21	, ,
13:16:15 22		c right onto the implant?	13:17:56 22	The state of the s
13:16:17 23	_	Actually both are bio-available orally.	13:17:56 23	
13:16:20 24	Q.	Okay.	13:18:02 24	(
13:16:20 <b>25</b>	Α.	The fluoroquinolones and rifampin. STIREWALT & ASSOCIATES	13:18:03 <b>25</b>	A. Today, Iodophor. And I think the tendency STIREWALT & ASSOCIATES
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	CC	ONFIDENTIAL - SUBJECT TO PROTECTIVE ORDER		CONFIDENTIAL - SUBJECT TO PROTECTIVE ORDER
		194		196
13:16:23	Q.	But usually	13:18:06 <b>1</b>	is today if you're going to use an iodophor to use one
13:16:26 <b>2</b>		You agree with me that most like the	13:18:09 2	with an alcohol.
13:16:26 <b>3</b>	standard	d of care and the most predominant treatment	13:18:10 3	<b>Q.</b> Okay. And in fact do you agree with me that
13:16:29 4	for a pe	riprosthetic joint infection is a two-stage	13:18:13 4	the CDC has stated that there's really no difference
13:16:32 <b>5</b>	revision		13:18:15 <b>5</b>	between the iodophor with alcohol and the chlorhex
13:16:33 6	A.	Usually that's	13:18:18 6	with alcohol?
13:16:34 7		MR. COREY GORDON: Object to the form of	13:18:19 7	<b>A.</b> I'm not sure that's how they phrased it, but
13:16:34	the ques	stion,	13:18:21 8	they recommend a prep with an alcohol.
13:16:35		THE WITNESS: Oh, okay. Sorry.	13:18:24 9	Q. Okay. Whether or not it's chlorhex or
13:16:36 10		MR. COREY GORDON: lack of foundation.	13:18:28 10	iodophor.
13:16:38 11	A.	I don't know if	13:18:29 11	A. Yeah. I think they opened the door to have
13:16:39 12		I think that is a standard. I don't know	13:18:31 12	io iodophor with alcohol
13:16:41 13	across t	he country how many people are doing that, but	13:18:31 13	<b>Q.</b> Okay.
13:16:44 14	it's ofter	n happened	13:18:34 14	<b>A.</b> in their recommendations.
13:16:44 15	Q.	Okay.	13:18:36 15	<b>Q.</b> Do you Do you agree with the CDC
13:16:45 16	A.	that way.	13:18:38 16	recommendation?
13:16:53 17	Q.	Now are you familiar with the preparation a	13:18:39 17	<b>A.</b> Yeah. I actually think that that there's
13:16:57 18	patient o	goes through with respect to skin prep and	13:18:43 18	
13:17:06 19		for a total knee or total hip arthroplasty?	13:18:46 19	
13:17:10 <b>20</b>		MR. COREY GORDON: Object to the form of	13:18:50 <b>20</b>	
13:17:11 <b>21</b>	the ques	_	13:18:51 <b>21</b>	Q. And you actually reviewed the CDC
13:17:11 <b>22</b>	-	I'm not a sur	13:18:56 <b>22</b>	•
13:17:13 23		MR. ASSAAD: Basis?	13:18:57 23	·
13:17:13 24		MR. COREY GORDON: A, it's compound; B,	13:18:59 24	
13:17:13 🗲				
	vou're -	- it's a one-size-fits-all question. So it	13:19:00 47	A. Yes.
13:17:13 <b>24</b> 13:17:16 <b>25</b>	you're	it's a one-size-fits-all question. So if STIREWALT & ASSOCIATES	13:19:00 <b>25</b>	
	-	- it's a one-size-fits-all question. So if STIREWALT & ASSOCIATES 1-800-553-1953 info@stirewalt.com	13:19:00 <b>45</b>	STIREWALT & ASSOCIATES  1-800-553-1953 info@stirewalt.com

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Q.		13:21:23 1	Δ.	infections with Propionibacterium
			_	So would you agree with me that
_	· -			otherwise.
		4		that if a patient had P. acnes infection
_	•	_		robably did not come from the patient, or if
Q.		_	-	was through some sort of direct contact
noros s	•	_	it did, it	_
-	_		0	MR. COREY GORDON: Object
			_	of a hip or knee? Oh. Oh.
_			A.	
			<b>4</b> 15	MR. COREY GORDON: Object to the form of
_	• •		•	
	•			No. I mean, it's not I think I've cited
				ally it can happen in either hips or knees, I
Α.	_		_	I think articles on shoulder surgery.
Q.	_			Pardon me?
A.	•		Q.	It was shoulder surgery that you were citing
Q.	Yeah.	13:21:51 18	it to.	
Α.	They're the glands that are primarily found	13:21:51 19	Α.	Yeah, but also if you look at Tande and
that seci	rete they're also below the dermis. They	13:21:53 20	Patel, I t	hink I found 1 percent.
secrete -	I have a picture of it, I think.	13:21:54 <b>21</b>	Q.	How many percent?
Q.	I believe that's where we're going right	13:21:55 <b>22</b>	Α.	One percent. So it's very low. In In
now.		13:21:58 23	either hi	ps or knees, I don't remember which cite I
A.	Yeah. And	13:22:00 <b>24</b>	had.	
	Do you want to wait and go to the picture?	13:22:00 <b>25</b>	Q.	But your
	STIREWALT & ASSOCIATES			STIREWALT & ASSOCIATES
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	MR. GOSS: 23?	13:22:01		But that could have come from I mean that
Q.		13:22:05 2	there	was no microbiologic study done in that case
				you know it came from the patient, it could
Q.	Okav.			me from one of the staff members by direct
_	•	_		me nom one of the stan members by an ecc
				There are no
_		_	Α.	Not that I'm aware of any microbiologic
Q.			ctudios t	to confirm that the same one came there. But
au wfa aa i				
	•		-	w, we have sebaceous glands primarily in this
	-			dicating], but they're not zero other places
			-	I understand that. But if someone has P.
	_	13:22:29 13		fection in the hip or knee,
	•			Yeah.
Propioni	pacterium acnes has been recognized to be	13:22:31 15	Q.	I mean it's very unlikely that it came
there.		13:22:33 16	from the	m.
Q.	And that's P. acnes?	13:22:34 17	A.	I don't know if it's unlikely.
A.	P. acnes.	13:22:35 18	Q.	So you don't know one way or the other; do
Q.	Okay. But that's mostly found on the	13:22:37 19	you?	
	rs; correct?	13:22:37 <b>20</b>	A.	That's right.
	Shoulder and back.	13:22:37 21	Q.	Okay. You just don't know.
7.		13:22:38 22		I don't know.
	Alla back, but hot it's hot it's hot			
Q.	And back, but not it's not it's not round in the knee or hip: correct?	13:22:39 23	O.	Okay. So And just roughly how far does
<b>Q.</b> normally	found in the knee or hip; correct?	13:22:39 <b>23</b>	<b>Q.</b> is the	, , , , , , , , , , , , , , , , , , , ,
Q. normally A.	found in the knee or hip; correct? It's very unusual to find	13:22:48 <b>24</b>	is the	sebaceous gland and the hair follicle or the
Q. normally A.	found in the knee or hip; correct?		is the	
	Q. A. Q. A. Q. that's or the follic A. Q. A. that secrete secrete secrete A. Q.	A. Do you want me to go to that? Q. Well it's on your on your list. A. Okay. Yeah. Yeah. Q. What is the mechanism Well, strike that. Skin flora is on the skin and may be in the pores, correct, either the sweat glands or the follicles; correct? A. Yes. Q. Does it go any deeper than that? A. Normally, no. Q. Okay. So we have the we have flora that's on the skin and in the sweat glands and and the follicle the hair follicles and nowhere else. A. And sebaceous glands. Q. What are the sebaceous glands? A. What are they? Q. Yeah. A. They're the glands that are primarily found that secrete they're also below the dermis. They secrete I have a picture of it, I think. Q. I believe that's where we're going right now. A. Yeah. And Do you want to wait and go to the picture? STIREWALT & ASSOCIATES 1-800-553-1953 info@stirewalt.com  CONFIDENTIAL - SUBJECT TO PROTECTIVE ORDER 198 MR. GOSS: 23? Q. 23. A. Yeah. Q. Okay. A. So do you want me to explain what sebaceous glands are? Q. Well I asked So they're they're between the skin surface and the fat; correct? A. Yeah. They're below the the dermis there, the the skin surface, right. Q. And you're saying that bac that flora could be in the sebaceous glands? A. There's no question about it. Propionibacterium acnes has been recognized to be there. Q. And that's P. acnes? A. P. acnes. Q. Okay. But that's mostly found on the	Q. It's actually on Exhibit 2; correct? A. Do you want me to go to that? Q. Well it's on your on your list. A. Okay. Yeah. Yeah. Q. What is the mechanism Well, strike that. Skin flora is on the skin and may be in the pores, correct, either the sweat glands or the follicles; correct? A. Yes. Q. Does it go any deeper than that? A. Normally, no. Q. Okay. So we have the we have flora that's on the skin and in the sweat glands and and the follicle the hair follicles and nowhere else. A. And sebaceous glands. Q. What are the sebaceous glands? A. What are the sebaceous glands? A. They're the glands that are primarily found that secrete they're also below the dermis. They secrete I have a picture of it, I think. Q. I believe that's where we're going right  now. A. Yeah. And Do you want to wait and go to the picture? STIREWALT & ASSOCIATES 1-800-553-1953 info@stirewalt.com  CONFIDENTIAL - SUBJECT TO PROTECTIVE ORDER A. Yeah. Q. Okay. A. So do you want me to explain what sebaceous glands are? Q. Well I asked So they're they're between the skin surface and the fat; correct? A. Yeah. They're below the the dermis there, the the skin surface, right. Q. And you're saying that bac that flora could be in the sebaceous glands? A. There's no question about it. Propionibacterium acnes has been recognized to be there. Q. And that's P. acnes? A. P. acnes. Q. Okay. But that's mostly found on the	Q. It's actually on Exhibit 2; correct? A. Do you want me to go to that? Q. Well it's on your on your list. A. Okay. Yeah. Yeah. Q. What is the mechanism Well, strike that. Skin flora is on the skin and may be in the pores, correct, either the sweat glands or the follicles; correct? A. Yes. Q. Does it go any deeper than that? A. Normally, no. Q. Okay. So we have the we have flora that's on the skin and in the sweat glands and and the follicle the hair follicles and nowhere else. A. And sebaceous glands. Q. What are the sebaceous glands? A. What are they? Q. Yeah. A. They're the glands that are primarily found that secrete thave a picture of it, I think. Q. I believe that's where we're going right now. A. Yeah. And Do you want to wait and go to the picture? STIREWALT & ASSOCIATES 1-800-553-1953 info@stirewalt.com  CONFIDENTIAL - SUBJECT TO PROTECTIVE ORDER Q. Well I asked So they're they're between the skin surface and the fat; correct? A. Yeah. They're below the the dermis there, the the skin surface, right. Q. And you're saying that bac that flora could be in the sebaceous glands? A. There's no question about it. Propionibacterium acnes has been recognized to be there. Q. And that's P. acnes? A. P. acnes. Q. Okay. But that's mostly found on the

	CASE 0:15-md-02666-JNE-DTS Doc CONFIDENTIAL - SUBJECT TO PROTECTIVE ORDER	<del>. 823-7</del>	Filed 09/12/17 Page 53 of 95 CONFIDENTIAL - SUBJECT TO PROTECTIVE ORDER
	201		203
13:22:53	A. I don't know.	13:24:37	Q. And you agree with me that there's no
13:22:54 <b>2</b>	Q. A millimeter?	13:24:40 <b>2</b>	bacteria in the blood if the person doesn't have some
13:22:55 3	A. I don't know. Never seen any data on that.	13:24:41 3	sort of blood infection.
13:22:58 4	I'm not sure.	13:24:42 <b>4</b>	A. By definition.
13:22:59 <b>5</b>	Q. You don't know how thick the skin is?	13:24:44 <b>5</b>	Q. Okay. Because in fact if someone had sepsis
13:23:01 6	A. No. Don't know.	13:24:47 6	or a blood infection it probably wouldn't be a good
13:23:04 7	Q. Okay. You've never	13:24:50 7	time to do elective surgery; correct?
13:23:08	A. Don't remember looking at it.	13:24:52	MR. COREY GORDON: Object
13:23:09	Q never done in medical school did on	13:24:52	A. To do what?
13:23:12 10	a cadaver and cut through the skin?	13:24:53 10	Q. Elective surgery.
13:23:15 11	A. I did I did do that, yeah.	13:24:54 11	MR. COREY GORDON: Object to the form of
13:23:15 12	<b>Q.</b> Okay.	13:24:55 12	the question, also lack of foundation.
13:23:16 13	<b>A.</b> Wasn't very far, but I don't know.	13:24:56 13	<b>A.</b> I don't think I understand the question I
13:23:17 14	Q. I mean, are we talking two inches?	13:24:57 14	guess.
13:23:19 15	A. Probably not two inches. Less.	13:24:57 15	Q. Well if someone had an infection, an ongoing
13:23:21 16	Q. An inch?	13:24:59 16	infection,
13:23:21 17	<b>A.</b> I don't know. I already	13:24:59 17	<b>A.</b> Oh.
13:23:21 18	<b>Q.</b> So you don't know?	13:25:00 18	<b>Q.</b> it wouldn't be it wouldn't be proper
13:23:22 19	<b>A.</b> told you I don't know.	13:25:01 19	to do
13:23:24 <b>20</b>	<b>Q.</b> Okay. All right.	13:25:01 <b>20</b>	A. Oh, I see.
13:23:24 <b>21</b>	How far is it between the the sweat	13:25:04 <b>21</b>	Q elective surgery.
13:23:34 <b>22</b>	gland, which I think is the lowest, and a knee joint?	13:25:04 <b>22</b>	A. I'm sorry. Didn't understand the que
13:23:41 23	A. I don't know.	13:25:05 23	Yeah. I try to
13:23:42 <b>24</b>	<b>Q.</b> How far is it between a sweat gland	13:25:05 <b>24</b>	MR. COREY GORDON: Wait until he finishes.
13:23:44 <b>25</b>	Well you agree the sweat gland look likes	13:25:07 <b>25</b>	THE REPORTER: Yes, please.
	STIREWALT & ASSOCIATES		STIREWALT & ASSOCIATES
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	CONFIDENTIAL - SUBJECT TO PROTECTIVE ORDER		CONFIDENTIAL - SUBJECT TO PROTECTIVE ORDER
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13:23:47 1	it's the lowest in this picture here?	13:25:08	<b>A.</b> So to answer the question. One of the
13:23:49 <b>2</b> 13:23:51 <b>3</b>	<b>A.</b> Well in the picture it looks like it's at the same level as the sebaceous glands roughly, so.	13:25:11 <b>2</b> 13:25:15 <b>3</b>	things that you want to do for any surgery that's elective is not to have any source of infection
	<b>Q.</b> Okay. Well let's just say whatever is		anywhere.
_	lowest, how far do you think the bacteria is that's on	13:25:18 <b>4</b>	<b>Q.</b> Okay. So you mentioned that there is the
13:23:56 <b>5</b> 13:23:59 <b>6</b>	a patient's skin or in the glands or from a knee	13:25:27 <b>5</b> 13:25:29 <b>6</b>	the chlorhex with alcohol and the io iophorm [ph]?
13:24:04 7	joint?	13:25:34 7	A. Iodophor.
13:24:06	<b>A.</b> I don't know how what the distance is in	13:25:36	Q. Iodophor with alcohol.
13:24:08	millimeters or not.	13:25:37	What percentage of the bacteria do those
13:24:09 10	Q. Okay. Well you agree that there's no I	13:25:39 10	prep solutions kill?
13:24:13 11	mean, if a person is not doesn't have sepsis or an	13:25:42 11	<b>A.</b> I don't think I know the answer to that, but
13:24:15 12	infection there's no bacteria in the fat; correct?	13:25:43 12	a high proportion.
13:24:22 13	<b>A.</b> I think that's true.	13:25:44 13	<b>Q.</b> 99.9?
13:24:23 14	Q. Okay. And	13:25:46 14	<b>A.</b> I don't know.
13:24:24 15	A. No. No. Well in the fat, yeah. I think	13:25:47 15	Q. You don't know?
13:24:27 16	that's true.	13:25:48 16	<b>A.</b> Might be, but I don't know. I can't cite
13:24:27 17	Q. And you agree with me there'd be no bacteria	13:25:51 17	any And if I answer you I want to try to cite the
13:24:29 18	in the muscle if a person doesn't have an infection.	13:25:54 18	reference, that's what I'm saying.
13:24:29 19	A. Yes.	13:25:54 19	Q. Okay. So sitting here today, you don't
13:24:32 <b>20</b>	<b>Q.</b> Ongoing infection; correct?	13:25:56 <b>20</b>	know.
13:24:33 <b>21</b>	<b>A.</b> If they don't have an infection?	13:25:56 <b>21</b>	<b>A.</b> No.
13:24:33 <b>22</b>	<b>Q.</b> Ongoing infection, yeah.	13:25:57 <b>22</b>	<b>Q.</b> Okay. And does it kill the bacteria that's
13:24:33 23	A. Yes.	13:25:59 23	in the the subacaneous or the sebaceous gland?
13:24:33 <b>24</b>	Q. Okay. And you agree with me that the	13:26:06 <b>24</b>	A. No, it doesn't.
13:24:37 <b>25</b>	(Interruption by the reporter.)	13:26:07 <b>25</b>	Q. Okay. What about the sweat glands?
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Filed 09/12/17 Page 54 of 95 CONFIDENTIAL - SUBJECT TO PROTECTIVE ORDER CONFIDENTIAL - SUBJECT TO PROTECTIVE ORDER 205 No. 1 **Q.** What type of bacteria are in the glands? 1 13:26:08 13:28:50 2 Q. What about the hair follicles? 2 The one that I've talked about is P. acnes. 13:26:09 13:28:51 A. Okay. So that's the only bacteria that 13:28:54 13:26:10 Okay. So is it your opinion that the most 4 you're aware of --13:26:11 13:28:56 5 likely cause of a periprosthetic joint infection is 13:28:56 That's the only one that I'm aware of --13:26:17 6 that the bacteria is most likely coming from the --6 Okav. 13:26:22 either the sweat gland, the sebaceous gland or the -- and it links to the --13:28:58 Q. So would it be fair to say that if a person hair follicle? 8 13:26:31 8 13:29:00 9 **A.** That's too general a statement. For g has a Staph aureus or a Staph epidermis or -- Strike 13:29:03 13:26:32 example, the reason I say that, there are people 13:29:10 10 that -- if a person doesn't have a P. acnes infection, 10 13:26:35 11 who've done things like skin preps. You first -- You 13:29:14 11 that the most likely -- according to the most likely 13:26:37 13:26:43 12 know, Daeschlein did a study just to look -- from 13:29:17 12 source of the infection would be from the skin and not 13 Germany -- using an alcohol skin prep and he still 13:29:21 13 the glands. finds bacteria in about 8 to 10 percent of people 13:29:24 14 Α. For Staph aureus, the source --14 13:26:49 13:26:53 15 after the prep. And then during the surgery you can 13:29:26 15 Q. Staph aureus, MRSA, Staph epidermidis. 13:26:58 16 find more. 13:29:30 16 Everything besides P. acnes. 13:26:59 17 If I go back to the people who've looked at, 13:29:31 17 A. Yeah. Let me just refine a little bit. 18 let's say, shoulder surgery, first of all, you know, 13:29:33 18 So carriers of Staph in the nose are, you 13:27:03 you saw from my report that I -- one study that was 13:29:40 19 know, always at higher risk than non-carriers, two to 13:27:07 19 13:27:12 20 very large showed 21 percent of infections of the 13:29:43 20 three times fold for Staph infection. It turns out if 13:27:15 **21** shoulder due to P. acnes. That's the implant. If you 13:29:48 21 you're a carrier in the nasal microbiome, you have a 13:27:20 **22** 13:29:51 22 look at just rotator cuff we're talking 50, 55 percent high chance of carrying it somewhere else, perineum, 13:27:24 23 of infections, rotator cuff, are P. acnes. If you 13:29:56 23 groin, axilla, as you know. 13:27:28 24 look at spine repair for scoliosis, again about 50 13:29:59 24 Q. And I'm just talk --13:27:32 25 percent are P. acnes. That's where the organism 13:29:59 25 We're going to get there, and I promise you STIREWALT & ASSOCIATES STIREWALT & ASSOCIATES 1-800-553-1953 info@stirewalt.com 1-800-553-1953 info@stirewalt.com CONFIDENTIAL - SUBJECT TO PROTECTIVE ORDER CONFIDENTIAL - SUBJECT TO PROTECTIVE ORDER 206 208 1 we're going to get to the nose issue. 1 lives. 13:27:36 2 2 I'm talking about where we're looking at the 13:27:37 Now if you -- peo -- I've -- I've quoted 13:30:02 3 Sethi and Matsen and the -- a Japanese study that 3 skin here --13:27:40 13:30:04 showed the organisms are there at the time of the 4 Α. 4 Yep. 13:27:46 13:30:05 5 incision, before the -- after the prep, before the Q. -- on page -- on -- I'm just trying to 13:30:05 13:27:51 incision. And Shiono's study with the spine and the determine what's the most likely source of the 13:30:09 13:27:55 back where they're repairing scoliosis. So 36 percent 7 different type of bacteria. 13:28:00 of the time after the prep they can find P. acnes. 8 8 So if you look at page 23, okay? 13:30:12 13:28:04 9 And then when they go in and actually look at the 9 A. Yeah. I've got it. 13:28:09 13:30:19 10 lamina, immediately exposing the lamina, it's already 13:30:26 10 Q. The only bacteria that you are aware of that 13:28:12 11 colonized in something like 25 or 35 percent. would reside in the glands or the hair follicles is P. 13:30:28 11 13:28:16 13:28:19 12 So to me that comes back to the microbiome, 13:30:33 12 acnes; correct? 13 back to the fact that we don't have a perfect skin 13:30:33 13 A. That's all I know. 13:28:23 disinfectant or antiseptic, rather, and the organism's 13:30:34 14 **Q.** Okay. So if a patient was infected with 14 13:28:33 15 there. 13:30:36 15 anything besides P. acnes, the most likely source, 13:28:34 16 Q. For P. acne. from looking at this picture, Figure 4 on page 23, 13:30:40 16 13:28:34 17 **A.** Yeah. That's the marker organism because 13:30:44 17 would be the skin surface; correct? 13:28:36 18 it's hard to track, you know, a Staph epi, for 13:30:46 18 **A.** That's my current hypothesis. I haven't 19 example. seen a lot of studies. I can tell you about the 13:28:40 13:30:49 19 13:28:41 20 sternal surgery for CABG with or without. **Q.** Is there Staph epi in the hair follicles? 13:30:52 20 13:28:43 21 Not that I'm aware of, no. 13:30:56 21 **Q.** Well I just want to know what your opinion 13:30:58 **22** 13:28:44 22 Is there Staph epi in the -- in the glands? is 13:30:58 23 13:28:47 23 A. Yeah. Don't think so. 13:28:48 24 What about Staph aureus? 13:30:59 24 Q. I don't need to know your studies. 13:28:49 25 No. 13:31:00 25 No. I'm just trying to say why I say what I STIREWALT & ASSOCIATES STIREWALT & ASSOCIATES 1-800-553-1953 info@stirewalt.com 1-800-553-1953 info@stirewalt.com Page 205 to 208 of 370 08/09/2017 08:27:40 AM 52 of 94 sheets

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13:31:02	do or don't say what I do.	13:33:27	deep infections. I don't
_	<b>Q.</b> So So my understanding is is that the	_	Q. Which article are you
_	skin prep, such as the chlorhex with alcohol or the	_	A I think
13:31:19 3			-
13:31:24 4	other skin prep, would be able to reach the all the	13:33:30 4	Yeah. I thought that the Darouiche study on
13:31:30 5	bacteria that's on the skin part of the patient's	13:33:36 5	his first study that I've quoted here on Let me
13:31:34	flora except for P. acnes; correct?	13:33:41 6	see if I can find the date. Comparing So I think
13:31:36	<b>A.</b> No, that's not true. They're ineffect	13:33:46 7	it's Well, let me just not guess. (Witness
13:31:39	They could reach the area.	13:33:46	reviewing exhibit.)
13:31:40	Q. That was my question. They could reach it.	13:33:53	Wait. That'll be So, you know, it's a
13:31:42 10	<b>A.</b> But they don't they're not effective in	13:33:59 10	New England Journal paper. Oh, I'm sorry. December
13:31:45 11	eradicating all the flora there.	13:34:05 11	2010 New England Journal of Medicine.
13:31:47 12	<b>Q.</b> That wasn't my question. I said they could	13:34:08 12	<b>Q.</b> And can you point me to the page you're
13:31:47 13	reach it.	13:34:10 13	referring to?
13:31:47 14	<b>A.</b> Yeah.	13:34:12 14	<b>A.</b> I just remembered, so let me try to find the
13:31:47 15	<b>Q.</b> Correct?	13:34:14 15	page I'm referring to.
13:31:47 16	They can't reach P. acnes because it's	13:34:15 16	MR. COREY GORDON: In his report, or in the
13:31:56 17	underneath	13:34:17 17	article?
13:31:56 18	(Interruption by the reporter.)	13:34:17 18	MR. ASSAAD: In his report.
13:31:56 19	Q. They can't reach P. acnes because it's below	13:34:19 19	<b>A.</b> Yeah, it's in my report. Okay.
13:31:59 20	the skin; correct? The The skin prep.	13:34:22 <b>20</b>	So it'll be probably in the microbiome
13:32:01 <b>21</b>	A. The currently used antiseptics don't	13:34:30 21	section.
13:32:03 <b>22</b>	reach	13:34:30 <b>22</b>	Q. Would it be page 25?
13:32:03 23	<b>Q.</b> Okay.	13:34:32 23	<b>A.</b> Let's look. (Witness reviewing exhibit.)
13:32:05 24	<b>A.</b> down into the sebaceous glands.	13:34:41 24	Yes. And I thought he talked about both.
13:32:08 25	Q. Okay. But they could reach the skin	13:34:51 <b>25</b>	My recollection he talks about some deep as well as
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13:32:10	surface; correct?	13:34:54	superficial.
13:32:10 2	A. They reach the surface. It's put on the	13:34:57 2	<b>Q.</b> Are you aware that the surgeries that he
			Q. Are you aware that the surgeries that he
13:32:12 3	surface.	13:34:59 3	
	surface.	13:34:59	looked at were colorectal, small intestinal,
13:32:13 4	surface.  Q. Okay. And therefore the question is how	13:34:59 <b>3</b> 13:35:06 <b>4</b>	looked at were colorectal, small intestinal, gastroesophageal, biliary, thoratic, gynecologic or
13:32:13 <b>4</b> 13:32:16 <b>5</b>	surface.  Q. Okay. And therefore the question is how much of the bacteria do they eradicate, the	13:34:59 <b>3</b> 13:35:06 <b>4</b> 13:35:11 <b>5</b>	looked at were colorectal, small intestinal, gastroesophageal, biliary, thoratic, gynecologic or urolo urologic operations?
13:32:13 <b>4</b> 13:32:16 <b>5</b> 13:32:19 <b>6</b>	surface.  Q. Okay. And therefore the question is how much of the bacteria do they eradicate, the effectiveness of the skin prep; correct?	13:34:59 <b>3</b> 13:35:06 <b>4</b> 13:35:11 <b>5</b> 13:35:12 <b>6</b>	looked at were colorectal, small intestinal, gastroesophageal, biliary, thoratic, gynecologic or urolo urologic operations?  A. Yes.
13:32:13 <b>4</b> 13:32:16 <b>5</b> 13:32:19 <b>6</b> 13:32:22 <b>7</b>	surface.  Q. Okay. And therefore the question is how much of the bacteria do they eradicate, the effectiveness of the skin prep; correct?  A. So say it again to make sure I got you.	13:34:59 <b>3</b> 13:35:06 <b>4</b> 13:35:11 <b>5</b> 13:35:12 <b>6</b> 13:35:13 <b>7</b>	looked at were colorectal, small intestinal, gastroesophageal, biliary, thoratic, gynecologic or urolo urologic operations?  A. Yes.  Q. None of them had to do with total hip or
13:32:13 <b>4</b> 13:32:16 <b>5</b> 13:32:19 <b>6</b> 13:32:22 <b>7</b> 13:32:25 <b>8</b>	surface.  Q. Okay. And therefore the question is how much of the bacteria do they eradicate, the effectiveness of the skin prep; correct?  A. So say it again to make sure I got you.  Q. It reaches all the bacteria on the skin	13:34:59 <b>3</b> 13:35:06 <b>4</b> 13:35:11 <b>5</b> 13:35:12 <b>6</b> 13:35:13 <b>7</b> 13:35:13 <b>8</b>	looked at were colorectal, small intestinal, gastroesophageal, biliary, thoratic, gynecologic or urolo urologic operations?  A. Yes.  Q. None of them had to do with total hip or A. That's
13:32:13 <b>4</b> 13:32:16 <b>5</b> 13:32:19 <b>6</b> 13:32:22 <b>7</b> 13:32:25 <b>8</b> 13:32:31 <b>9</b>	surface.  Q. Okay. And therefore the question is how much of the bacteria do they eradicate, the effectiveness of the skin prep; correct?  A. So say it again to make sure I got you.  Q. It reaches all the bacteria on the skin surface, the skin prep, the issue is what percentage	13:34:59	looked at were colorectal, small intestinal, gastroesophageal, biliary, thoratic, gynecologic or urolo urologic operations?  A. Yes. Q. None of them had to do with total hip or A. That's Q total knee?
13:32:13 <b>4</b> 13:32:16 <b>5</b> 13:32:19 <b>6</b> 13:32:22 <b>7</b> 13:32:25 <b>8</b> 13:32:31 <b>9</b> 13:32:35 <b>10</b>	surface.  Q. Okay. And therefore the question is how much of the bacteria do they eradicate, the effectiveness of the skin prep; correct?  A. So say it again to make sure I got you.  Q. It reaches all the bacteria on the skin surface, the skin prep, the issue is what percentage of the bacteria it kills.	13:34:59	looked at were colorectal, small intestinal, gastroesophageal, biliary, thoratic, gynecologic or urolo urologic operations?  A. Yes. Q. None of them had to do with total hip or A. That's Q total knee? A true.
13:32:13	surface.  Q. Okay. And therefore the question is how much of the bacteria do they eradicate, the effectiveness of the skin prep; correct?  A. So say it again to make sure I got you. Q. It reaches all the bacteria on the skin surface, the skin prep, the issue is what percentage of the bacteria it kills.  A. It's better to go back to the Darouiche	13:34:59	looked at were colorectal, small intestinal, gastroesophageal, biliary, thoratic, gynecologic or urolo urologic operations?  A. Yes. Q. None of them had to do with total hip or A. That's Q total knee? A true. Q. None of them had to do with implants;
13:32:13	<ul> <li>Q. Okay. And therefore the question is how much of the bacteria do they eradicate, the effectiveness of the skin prep; correct?</li> <li>A. So say it again to make sure I got you.</li> <li>Q. It reaches all the bacteria on the skin surface, the skin prep, the issue is what percentage of the bacteria it kills.</li> <li>A. It's better to go back to the Darouiche study to say that if you start with a you know, an</li> </ul>	13:34:59	looked at were colorectal, small intestinal, gastroesophageal, biliary, thoratic, gynecologic or urolo urologic operations?  A. Yes. Q. None of them had to do with total hip or A. That's Q total knee? A true. Q. None of them had to do with implants; correct?
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13:32:13	Q. Okay. And therefore the question is how much of the bacteria do they eradicate, the effectiveness of the skin prep; correct?  A. So say it again to make sure I got you.  Q. It reaches all the bacteria on the skin surface, the skin prep, the issue is what percentage of the bacteria it kills.  A. It's better to go back to the Darouiche study to say that if you start with a you know, an iodophor and compare it to chlorhexidine alcohol, chlorhexidine alcohol is a better, more effective skin prep than iodophor, reducing all surgical-site infections by 40 percent. Follow-up study with Tuul with Tuuli, thirt 45 percent, so it's very consistent.  Q. And you would agree with me that all those studies you're referring to are looking at superficial wound infections.	13:34:59 3 13:35:06 4 13:35:11 5 13:35:12 6 13:35:13 7 13:35:13 8 13:35:15 9 13:35:16 11 13:35:16 11 13:35:18 12 13:35:18 13 13:35:18 14 13:35:20 15 13:35:24 17 13:35:32 18 13:35:37 19 13:35:44 20 13:35:46 21	looked at were colorectal, small intestinal, gastroesophageal, biliary, thoratic, gynecologic or urolo urologic operations?  A. Yes.  Q. None of them had to do with total hip or A. That's Q total knee? A true. Q. None of them had to do with implants; correct?  MR. COREY GORDON: Wait. Wait until he asks his A. That's true. Q. Okay. So can you can you identify me today a study that shows that using a chlorhex with alcohol reduces the incident of a periprosthetic joint infection?  A. I don't think a study's been done just on the joints. I'm trying to remember.
13:32:13	Q. Okay. And therefore the question is how much of the bacteria do they eradicate, the effectiveness of the skin prep; correct?  A. So say it again to make sure I got you.  Q. It reaches all the bacteria on the skin surface, the skin prep, the issue is what percentage of the bacteria it kills.  A. It's better to go back to the Darouiche study to say that if you start with a you know, an iodophor and compare it to chlorhexidine alcohol, chlorhexidine alcohol is a better, more effective skin prep than iodophor, reducing all surgical-site infections by 40 percent. Follow-up study with Tuul with Tuuli, thirt 45 percent, so it's very consistent.  Q. And you would agree with me that all those studies you're referring to are looking at superficial wound infections.  A. Well	13:34:59 3 13:35:06 4 13:35:11 5 13:35:12 6 13:35:13 7 13:35:13 8 13:35:15 9 13:35:16 11 13:35:16 11 13:35:18 12 13:35:18 14 13:35:20 16 13:35:20 16 13:35:24 17 13:35:32 18 13:35:37 19 13:35:44 20 13:35:46 21 13:35:48 22	looked at were colorectal, small intestinal, gastroesophageal, biliary, thoratic, gynecologic or urolo urologic operations?  A. Yes.  Q. None of them had to do with total hip or A. That's Q total knee? A true. Q. None of them had to do with implants; correct?  MR. COREY GORDON: Wait. Wait until he asks his A. That's true. Q. Okay. So can you can you identify me today a study that shows that using a chlorhex with alcohol reduces the incident of a periprosthetic joint infection?  A. I don't think a study's been done just on the joints. I'm trying to remember. Q. So sitting here today there is no evidence
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Filed 09/12/17 Page 56 of 95 CONFIDENTIAL - SUBJECT TO PROTECTIVE ORDER CONFIDENTIAL - SUBJECT TO PROTECTIVE ORDER **A.** Well I would say there's no study out there, they get from the flora to the wound. And I've said 1 1 13:36:10 13:40:21 2 but if you take skin, the -- what we're really talking 2 that in my report. 13:36:12 13:40:25 about is controlling the microbiome. And if you said Q. Okay. So you have no opinion of how the 3 13:40:28 13:36:17 to me today, I've got to get a hip replacement, I 4 bacteria get from the flora, patient's flora into the 4 13:40:31 13:36:20 would tell you chlorhexidine alcohol, just as Dr. Reed 13:40:36 5 wound; correct? 13:36:25 6 did in his study, after awhile. 6 A. Not in detail. I just know that they're 13:36:28 Q. You would agree with me that if -- if a --7 already present at the time of the incision. 13:37:35 13:40:39 Strike that. 8 Q. Now do they jump from the patient's skin 13:37:43 8 13:40:41 9 If the bacteria comes from the patient's right into the -- into the joint, or would they go 13:40:46 13:37:44 skin -- Let's take out P. acnes, okay? We could agree 13:40:49 10 through the fascia and the mu -- and the muscle? 10 13:38:08 11 that P. acnes is a very unlikely cause of a infection 13:40:51 11 A. I don't know. 13:38:12 for a total hip or total knee arthroplasty; correct? 12 13:40:52 12 Q. Okay. 13:38:16 A. Yes. 13:40:52 13 MR. COREY GORDON: Wait for him to --13 13:40:54 14 13:38:19 14 **Q.** Okay. Let's just assume all my questions is THE WITNESS: I'm sorry. 13:38:22 15 excluding P. acnes when I talk about bacteria going 13:40:54 15 MR. COREY GORDON: You gotta wait for him forward. Correct? Do you understand that? 13:40:55 16 to finish the auestion. 13:38:24 16 13:38:27 17 **A.** If you want to make an assumption, yes. 13:40:56 17 THE WITNESS: Yeah. Apologize. 13:38:30 18 Q. Yes. How does the bacteria get from the 13:40:57 18 Q. Okay. So --13:40:58 19 skin to the periprosthetic joint to cause an infection And you're aware that in many total hip and 19 13:38:44 during the operation? If you know. 13:38:51 20 13:41:00 20 total knee arthroplasties, if not all, that patients 21 **A.** Well I have to go back to P. acnes, because 13:41:07 21 are given a prophylactic dose of antibiotics. 13:38:57 **22** it's the only study that shows that it's already there 13:41:12 22 **A.** Patients are given antibiotics, yes, 13:39:03 23 at the time of the incision, so it -- it's there. The 13:41:15 23 preoperatively, perioperatively. 13:39:06 24 other study I'd point to would be Tammelin's study of 13:41:17 24 Perioperatively. Actually before even 13:39:10 25 CABGs and Staph epi where he tried to do 13:41:19 25 incision. STIREWALT & ASSOCIATES STIREWALT & ASSOCIATES 1-800-553-1953 info@stirewalt.com 1-800-553-1953 info@stirewalt.com CONFIDENTIAL - SUBJECT TO PROTECTIVE ORDER CONFIDENTIAL - SUBJECT TO PROTECTIVE ORDER 214 216 fingerprinting to say if I look at the air, if I look 1 A. Yes. 1 13:39:14 2 Q. Okay. And in fact that has shown to reduce 2 at the surgeons and if I culture the patient's legs 13:41:20 3 where the graft is for the CABG, or if I culture the 3 the incident of superficial wound infection for total 13:39:21 13:41:26 sternum, he could find the only match that -- with any 4 hip and total knee arthroplasty; correct? 4 13:39:25 13:41:31 5 high numbers in the sternum for Staph epi. These are A. More than that. I mean, if I go back to 13:41:33 13:39:30 heart studies, but it comes back to what I've said Lidwell's study, he -- when he looked at the patients 13:41:35 13:39:34 earlier. If you have an organism, a marker organism 7 who had perioperative antibiotics, their deep-joint 13:39:37 and you can follow it, so he's able to do a 8 infection rate was four times greater in the group 8 13:41:47 that didn't have antibiotics. 9 fingerprint on those Staph epi on the sternum. I 9 13:39:42 13:41:49 10 think I --13:41:50 10 MR. COREY GORDON: You said "greater." 13:39:46 13:39:47 11 Q. Well I'm asking --13:41:53 11 THE WITNESS: I'm sorry. 13:39:47 12 I mean, my understanding is, and it's a very 13:41:54 12 A. The people who didn't get perioperative limited understanding, that bacteria either need to be 13:41:57 13 antibiotics had a four times risk of the prosthetic 13 13:39:49 transferred by direct contact or they can be joint infections compared to the ones who did. 14 13:42:03 14 15 aerosolized. They don't have legs; correct? They 13:42:05 15 **Q.** So we agree that perioperative antibiotics 13:42:07 16 16 don't move. decreases the risk of periprosthetic joint infections? 13:39:58 13:39:59 17 **A.** They can move, on the surface. 13:42:09 17 Α. Yes. 13:40:00 18 Q. How do they move? 13:42:10 18 Q. Okay. You do agree with me that the **A.** I don't know how they move, but, you know, 13:43:23 19 bacteria has to get to the -- to the joint area to 13:40:02 13:40:04 20 they're -- if there -- if there is an incision made 13:43:26 20 cause a periprosthetic joint infection 13:43:29 21 perioperatively; correct? 13:40:08 **21** across a group of bacteria, then why would you not 13:40:12 **22** think that they're actually going to fall into the 13:43:30 22 A. Bacteria are necessary, not sufficient, yes. wound? That's a hypothesis that I have --13:40:16 23 13:43:33 23 Q. Okay. And when we say "get to the joint

13:40:18 24

13:40:19 25

**Q.** Is there any evidence --

-- but nobody -- nobody knows exactly how

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13:43:37 24

13:43:41 25

area," we're getting to the prosthesis during the

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total hip or total knee arthroplasty; correct?

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13:43:43 1	217 MR. COREY GORDON: Object to the form of	13:45:51 <b>1</b>	Q. Okay. Now with respect to people that are
-			
13:43:45 2	the question.	13:45:53	carriers for MRSA or MSSA in their nose, okay, the
13:43:46	A. I don't know exactly, you know, does it	13:46:03	What's the correct word? What is the
13:43:48 4	start above and then get moved to the joint, but that	13:46:05 4	correct word for that?
13:43:53 <b>5</b>	could happen, yeah.	13:46:07 <b>5</b>	A. You talking about a nasal?
13:43:54 6	<b>Q.</b> But for the biofilm to form it has to be in	13:46:08 6	<b>Q.</b> Yeah.
13:43:56 7	the prosthesis.	13:46:09 7	MR. COREY GORDON: Nares?
13:43:57	<b>A.</b> Yeah, it has to be on a foreign body. Well	13:46:11 8	A. Nares?
13:44:01 9	I think in	13:46:11 9	<b>Q.</b> Yeah, the nares.
13:44:02 10	<b>Q.</b> Most likely.	13:46:12 10	And you've talked about that in your report;
3:44:03 11	A. I think it's more likely, you know. In some	13:46:14 11	correct?
3:44:06 <b>12</b>	chronic wounds they've shown biofilm. You probably	13:46:14 12	<b>A.</b> Yeah.
3:44:08 13	know that.	13:46:14 13	Q. They're carriers; correct?
3:44:09 14	Q. But with respect to total hip and total knee	13:46:16 14	You're not offering the opinion that the
3:44:11 15		13:46:19 15	bacteria in the nose is actually reaching the surgical
3:44:11 16	A. Yeah.	13:46:25 16	site and the prosthesis and causing an infection; are
3:44:11 <b>17</b>	Q the bacteria has to get to the prosthesis	13:46:25 17	-
	to form biofilm; correct?	13:46:27 17	you?  MD COREY CORDON: Object to the form of
3:44:13 18			MR. COREY GORDON: Object to the form of
3:44:14 19	A. I think that's right.	13:46:29 19	the question.
3:44:16 20	Q. Okay. So during the operation it's your	13:46:29 <b>20</b>	A. What I think happens is that if you're a
3:44:27 <b>21</b>	opinion that a bacteria on the patient's skin gets to	13:46:32 <b>21</b>	carrier in the nose you're frequently a carrier
3:44:37 <b>22</b>	the prosthesis at some point in time to cause an	13:46:37 <b>22</b>	elsewhere on the body; it can be in the hands, as
3:44:40 23	infection to cause a periprosthetic joint	13:46:40 23	shown by Reagan, et al. If you want to look at Merme
3:44:42 <b>24</b>	infection.	13:46:46 <b>24</b>	and colleagues, it's carried in the groin and the
3:44:43 <b>25</b>	MR. COREY GORDON: Object to the form of	13:46:50 <b>25</b>	perineum and axilla as well.
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3:44:44 1	=.0		==*
2 00:00	the question.	13:46:54	So if you look at all the people who are
•	the question.  • So I think the source of all of almost all	13:46:54 1	So if you look at all the people who are
3:44:47 2	<b>A.</b> So I think the source of al of almost all	13:46:55 2	carriers of Staph, the most sensitive spot is going to
3:44:47 <b>2</b> 3:44:51 <b>3</b>	<b>A.</b> So I think the source of al of almost all infections, including periprosthetic joint infections	13:46:55 <b>2</b> 13:47:02 <b>3</b>	carriers of Staph, the most sensitive spot is going to be in the nose. We also know that there are carriers
3:44:47 <b>2</b> 3:44:51 <b>3</b> 3:44:57 <b>4</b>	<b>A.</b> So I think the source of al of almost all infections, including periprosthetic joint infections are the patient's flora, and again the skin would be	13:46:55 <b>2</b> 13:47:02 <b>3</b> 13:47:08 <b>4</b>	carriers of Staph, the most sensitive spot is going to be in the nose. We also know that there are carriers of, you mentioned MRSA, 15, 20 percent carry it only
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3:44:47 <b>2</b> 3:44:51 <b>3</b> 3:44:57 <b>4</b> 3:44:59 <b>5</b> 3:45:03 <b>6</b>	A. So I think the source of al of almost all infections, including periprosthetic joint infections are the patient's flora, and again the skin would be the site primarily.  And I'm not sure that I understood the	13:46:55 <b>2</b> 13:47:02 <b>3</b> 13:47:08 <b>4</b> 13:47:13 <b>5</b> 13:47:19 <b>6</b>	carriers of Staph, the most sensitive spot is going to be in the nose. We also know that there are carriers of, you mentioned MRSA, 15, 20 percent carry it only in the throat. And again I think that the nose is a marker for the increased likelihood of carriage in
3:44:47 <b>2</b> 3:44:51 <b>3</b> 3:44:57 <b>4</b> 3:44:59 <b>5</b> 3:45:03 <b>6</b> 7	A. So I think the source of al of almost all infections, including periprosthetic joint infections are the patient's flora, and again the skin would be the site primarily.  And I'm not sure that I understood the complex question.	13:46:55 <b>2</b> 13:47:02 <b>3</b> 13:47:08 <b>4</b> 13:47:13 <b>5</b> 13:47:19 <b>6</b> 13:47:23 <b>7</b>	carriers of Staph, the most sensitive spot is going to be in the nose. We also know that there are carriers of, you mentioned MRSA, 15, 20 percent carry it only in the throat. And again I think that the nose is a marker for the increased likelihood of carriage in other places of the body.
3:44:47 <b>2</b> 3:44:51 <b>3</b> 3:44:57 <b>4</b> 3:44:59 <b>5</b> 3:45:03 <b>6</b> 7	A. So I think the source of al of almost all infections, including periprosthetic joint infections are the patient's flora, and again the skin would be the site primarily.  And I'm not sure that I understood the complex question.  Q. Well the bacteria that's on the patient's	13:46:55 <b>2</b> 13:47:02 <b>3</b> 13:47:08 <b>4</b> 13:47:13 <b>5</b> 13:47:19 <b>6</b>	carriers of Staph, the most sensitive spot is going to be in the nose. We also know that there are carriers of, you mentioned MRSA, 15, 20 percent carry it only in the throat. And again I think that the nose is a marker for the increased likelihood of carriage in other places of the body.  Q. What's the likelihood that if you have MRSA
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	221		223
13:48:03	operating room?	14:05:37	Propionibacterium, both Staphylococcus, they didn't
13:48:03	<b>A.</b> No, I don't. I haven't looked at that.	14:05:43 <b>2</b>	differentiate epi and aureus in the brief summ
13:48:05	Q. Okay. But you're not saying, just so I	14:05:43	(Interruption by the reporter.)
13:48:06 4	understand you, that if you have MRSA in the nose or	14:05:47	THE WITNESS: epi from aureus, and also
13:48:12 <b>5</b>	MSSA in the nose, that as the patient breathes out	14:05:47 <b>5</b>	Pityrosporum. So I want to add that to my statement,
•	that bacteria is coming out of your nose and infecting		and thank you for letting me amend.
13:48:15		_	
13:48:19	the prosthesis.	14:05:51 7	BY MR. ASSAAD:
13:48:20	A. I don't know how if	14:05:54	Q. Do you know how prevalent the Staph
13:48:21 9	Let's say, imagine in a scenario that we're	14:05:56	<b>A.</b> No. I have to do a lot more looking at it,
13:48:25 10	just making up to have the discussion, it's a carrier	14:05:58 10	but
13:48:30 11	only in the nose. How it gets from the nose to the	14:05:59 11	THE WITNESS: I'm sorry.
13:48:33 12	wound, I don't know completely. Is it possible that	14:05:59 12	MR. COREY GORDON: Let him
3:48:37 13	that could happen? Maybe. I don't know. There are	14:06:00 13	Q. So sitting here today, you don't know, like,
3:48:41 14	no studies that show the organism in the nose can't	14:06:02 14	what percentage or or where in the human biome they
3:48:44 15	move, can't be blown out.	14:06:08 15	did the sampling.
3:48:46 16	Q. Okay. You do understand that in a total hip	14:06:09 16	<b>A.</b> They They sampled the sebaceous glands.
3:48:51 17	or total knee arthroplasty there is a huge drape that	14:06:11 17	Q. But where?
3:48:53 18	goes three feet above two to three feet above the	14:06:12 18	A. I don't know.
3:48:57 19	patient; correct?	14:06:12 19	Q. Could it have been on the shoulder or back?
3:48:57 <b>13</b>	A. Yes.	14:06:12 19	A. Well you're asking me questions I don't
3:48:58 <b>20</b> 3:48:59 <b>21</b>	_	14:06:15 <b>20</b> 14:06:16 <b>21</b>	know,
	Q. Okay. That separates the head of the		<u>'</u>
13:49:00 22	patient	14:06:16 22	Q. Okay.
3:49:01 23	A. That's right.	14:06:17 23	<b>A.</b> but I gave you a reference and wanted to
3:49:02 <b>24</b>	<b>Q.</b> from where the surgical site is; correct?	14:06:18 24	clear up the fact that Staphylococci can live there.
3:49:04 <b>25</b>	A. Yes. Sorry.	14:06:22 <b>25</b>	<b>Q.</b> What's the name of the reference?
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13:49:08	Q. And you agree with me that	14:06:24	A. General Clinical Micro, 1984, Lemming,
13:49:17 2	So are you saying that it's possible that	14:06:28 2	L-E-M-M-I-N-G. I don't have the first initial.
•	the bacteria could come out of the nose and over the		Q. Lemming, L-E-M-M-I-N-G?
3:49:21 3			•
3:49:26	drape or around the drape and into the surgical site?	14:06:33	A. Yeah.
3:49:30 5	A. I don't know.	14:06:34 5	Q. Okay. Do you know who doctor
3:49:31 6	Q. Okay.	14:06:36	MR. GOSS: It's actually L-E-E-M-I-N-G.
13:49:31 7	<b>A.</b> I mean, I I know that people who have	14:06:39 7	THE WITNESS: Oh, I'm sorry. Did I get
3:49:35	colds certainly disperse when they sneeze or cough or	14:06:41 8	that wrong?
3:49:40	something, with Staph.	14:06:41 9	Q. And you just looked that up where?
3:49:40 10	<b>Q.</b> But if the ventilation is doing what it's	14:06:43 10	<b>A.</b> Yeah. Just now.
3:49:43 11	supposed to be doing, it would push the bacteria down;	14:06:44 11	<b>Q.</b> On your phone?
3:49:46 12	correct?	14:06:45 12	A. I used his phone.
3:49:47 13	A. I think so.	14:06:46 13	Q. Okay. You're pointing to Peter Goss?
3:49:48 14	Q. Okay. Unless there was something else out	14:06:49 14	A. Yes, Peter Goss.
3:49:50 15	there that was causing the bacteria to go up; correct?	14:06:50 15	<b>Q.</b> Did he provide the article to you?
	and a substitute of the substi	14:06:51 16	A. He did.
	A. I think so		7 TIC GIGT
3:49:54 16	A. I think so.  MR ASSAAD: Let's take a break		Okay So you didn't look it up he just
3:49:54 <b>16</b> 3:50:26 <b>17</b>	MR. ASSAAD: Let's take a break.	14:06:51 17	Q. Okay. So you didn't look it up, he just
3:49:54 <b>16</b> 3:50:26 <b>17</b> 3:50:27 <b>18</b>	MR. ASSAAD: Let's take a break. THE REPORTER: Off the record, please.	14:06:51 <b>17</b> 14:06:53 <b>18</b>	gave
3:49:54	MR. ASSAAD: Let's take a break.  THE REPORTER: Off the record, please.  (Recess taken from 1:50 to 2:05 p.m.)	14:06:51 <b>17</b> 14:06:53 <b>18</b> 14:06:53 <b>19</b>	gave <b>A.</b> I did. We were both looking things up just
3:49:54	MR. ASSAAD: Let's take a break. THE REPORTER: Off the record, please. (Recess taken from 1:50 to 2:05 p.m.) THE WITNESS: Can I make just a you	14:06:51 <b>17</b> 14:06:53 <b>18</b> 14:06:53 <b>19</b> 14:06:55 <b>20</b>	gave <b>A.</b> I did. We were both looking things up just to check.
3:49:54 16 3:50:26 17 3:50:27 18 3:50:28 19 4:05:17 20 4:05:18 21	MR. ASSAAD: Let's take a break.  THE REPORTER: Off the record, please.  (Recess taken from 1:50 to 2:05 p.m.)  THE WITNESS: Can I make just a you asked said earlier you didn't mind, Mr. Assaad, if	14:06:51 17 14:06:53 18 14:06:53 19 14:06:55 20 14:06:56 21	gave  A. I did. We were both looking things up just to check.  Q. Well who pulled up the article; was it
3:49:54 16 3:50:26 17 3:50:27 18 3:50:28 19 4:05:17 20 4:05:18 21 4:05:22 22	MR. ASSAAD: Let's take a break.  THE REPORTER: Off the record, please.  (Recess taken from 1:50 to 2:05 p.m.)  THE WITNESS: Can I make just a you asked said earlier you didn't mind, Mr. Assaad, if I made changes, and just on break looked up the	14:06:51 <b>17</b> 14:06:53 <b>18</b> 14:06:53 <b>19</b> 14:06:55 <b>20</b>	gave <b>A.</b> I did. We were both looking things up just to check.
3:49:54 16 3:50:26 17 3:50:27 18 3:50:28 19 4:05:17 20 4:05:18 21 4:05:22 22	MR. ASSAAD: Let's take a break.  THE REPORTER: Off the record, please.  (Recess taken from 1:50 to 2:05 p.m.)  THE WITNESS: Can I make just a you asked said earlier you didn't mind, Mr. Assaad, if	14:06:51 17 14:06:53 18 14:06:53 19 14:06:55 20 14:06:56 21	gave  A. I did. We were both looking things up just to check.  Q. Well who pulled up the article; was it
3:49:54 16 3:50:26 17 3:50:27 18 3:50:28 19 4:05:17 20 4:05:18 21 4:05:22 22 4:05:26 23	MR. ASSAAD: Let's take a break.  THE REPORTER: Off the record, please.  (Recess taken from 1:50 to 2:05 p.m.)  THE WITNESS: Can I make just a you asked said earlier you didn't mind, Mr. Assaad, if I made changes, and just on break looked up the	14:06:51 17 14:06:53 18 14:06:53 19 14:06:55 20 14:06:56 21 14:06:58 22	gave  A. I did. We were both looking things up just to check.  Q. Well who pulled up the article; was it you
3:49:54 16 3:50:26 17 3:50:27 18 3:50:28 19 4:05:17 20 4:05:18 21 4:05:22 22 4:05:26 23 4:05:29 24	MR. ASSAAD: Let's take a break.  THE REPORTER: Off the record, please. (Recess taken from 1:50 to 2:05 p.m.)  THE WITNESS: Can I make just a you asked said earlier you didn't mind, Mr. Assaad, if I made changes, and just on break looked up the microbiome of the sebaceous glands, and in fact I can	14:06:51 17 14:06:53 18 14:06:53 19 14:06:55 20 14:06:56 21 14:06:58 22 14:06:58 23	gave  A. I did. We were both looking things up just to check.  Q. Well who pulled up the article; was it you  A. He did.
13:49:50 16 13:50:26 17 13:50:27 18 13:50:28 19 14:05:17 20 14:05:18 21 14:05:26 23 14:05:26 23 14:05:28 24 14:05:33 25	MR. ASSAAD: Let's take a break.  THE REPORTER: Off the record, please.  (Recess taken from 1:50 to 2:05 p.m.)  THE WITNESS: Can I make just a you asked said earlier you didn't mind, Mr. Assaad, if I made changes, and just on break looked up the microbiome of the sebaceous glands, and in fact I can point to a reference for you, General Clinical Micro	14:06:51 17 14:06:53 18 14:06:53 19 14:06:55 20 14:06:56 21 14:06:58 22 14:06:58 23 14:06:58 24	gave  A. I did. We were both looking things up just to check.  Q. Well who pulled up the article; was it you  A. He did. Q or Peter Goss?

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14:07:01	Q. Okay. So my understanding is that while I'm	14:08:54	than Dr. McGovern at the time.
14:07:05 2	asking you questions Peter Goss is doing some research	14:08:56 2	A. That was my understanding.
4:07:07 3	for you during this deposition?	14:08:57	Q. He was more of the advisor and overlooking
4:07:10 4	A. Yeah, I guess you could say that.	14:09:00 4	the whole study; correct?
4:07:12 5	MR. GOSS: Object to form.	14:09:01 5	A. Yeah.
4:07:13	<b>A.</b> He just checked a reference for me. I was	14:09:01 6	Q. Okay. And you know that
14:07:16	trying We were both trying to find stuff.	14:09:03 7	Are you aware that at one time Dr. Reed was
14:07:18	Q. All right.	14:09:05	in Minneapolis and wanted to talk to the people at 3M
4:07:18 9	Do you know who Dr. Reed is?	14:09:07	to discuss his findings?
4:07:20 10	A. Doctor who?	14:09:09 10	MR. COREY GORDON: Object to the form of
4:07:20 11	Q. Reed. Michael Reed?	14:09:10 11	the question, and assumes facts not in evidence.
4:07:23 12	A. I don't know him, but I know who he is,	14:09:11 12	A. I had heard that possibility, but I don't
4:07:25 13	yeah. He's	14:09:14 13	know anything about that.
4:07:26 14	<b>Q.</b> Okay. Are you aware he's doing a pilot	14:09:16 14	<b>Q.</b> And are you aware that 3M didn't want to
4:07:27 15	study for 3M right now?	14:09:18 15	talk to him?
4:07:29 16	MR. COREY GORDON: Object to the form of	14:09:19 16	MR. COREY GORDON: Same objections.
4:07:31 17	the question.	14:09:20 17	A. I don't know that.
4:07:31 18	<b>A.</b> I think that came up earlier, and I think I	14:09:30 18	<b>Q.</b> Okay. Well I'm going to read you what the
4:07:33 19	had heard that it might be, but I don't have any	14:09:32 19	objective of the study was, and tell me if it's
4:07:35 <b>20</b>	evidence or, let's say, direct knowledge of that.	14:09:44 <b>20</b>	MR. COREY GORDON: You talking about
4:07:38 <b>21</b>	Q. Do you know Dr. Harper?	14:09:45 <b>21</b>	McGovern?
4:07:40 <b>22</b>	<b>A.</b> No.	14:09:45 <b>22</b>	MR. ASSAAD: No. The pilot study.
4:07:41 <b>23</b>	<b>Q.</b> Have you read any of his literature?	14:09:47 23	MR. COREY GORDON: Oh.
4:07:42 <b>24</b>	A. Don't think so.	14:10:10 24	<b>Q.</b> Strike that.
4:07:43 <b>25</b>	Q. Okay. So have you read Dr. Reed's	14:10:10 25	Are you aware that 3M is funding a pilot
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4:07:54	deposition?	14:10:13	study in which they are assessing the risk of
4:07:56 <b>2</b>	<b>A.</b> I think so, yeah.	14:10:19 2	postoperative orthopedic implant infection which may
4:07:58 3	<b>Q.</b> Have you read Dr. McGovern's deposition?	14:10:23	
4:08:04	<b>A.</b> Yes.	14:10:26 4	warming technology?
4:08:04 <b>5</b>	<b>Q.</b> Have you read Dr. Legg's deposition?	14:10:27 <b>5</b>	<b>A.</b> I don't think I know that, no.
4:08:06	<b>A.</b> I think so, yeah.	14:10:28 6	<b>Q.</b> Okay. Would that be information helpful to
<b>1</b> 4:08:07 <b>7</b>	Q. Have you read Dr. Nachtsheim's deposition?	14:10:32 7	you to see what the the data in that study, to
4:08:10	<b>A.</b> No.	14:10:35	formulate your opinions of whether or not the Bair
4:08:10	Q. Have you read Dr	14:10:38	Hugger has an effect on periprosthetic joint
4:08:12 10	<b>A.</b> I don't remember. I may have, but I don't	14:10:41 10	infections?
4:08:13 11	remember.	14:10:43 11	<b>A.</b> So I don't
4:08:14 12	<b>Q.</b> Have you read Dr. Legg's deposition?	14:10:44 12	What was the hypothesis of the study? And
4:08:17 13	<b>A.</b> I think so.	14:10:46 13	you're asking me to
4:08:17 14	Q. So And you're aware, from reading	14:10:46 14	Q. The hypothesis is this: We postulate that
4:08:33 15	articles by Dr. Reed, that he has written articles	14:10:49 15	the risk of postoperative orthopedic implant infection
4:08:37 16	critical of the Bair Hugger safety; correct?	14:10:52 16	may be influenced by the choice of intraoperative
4:08:40 17	MR. COREY GORDON: Object to the form of	14:10:56 17	warming technology. We plan to investigate this
4:08:42 18	the question.	14:10:58 18	through a multicenter superiority trial comparing
4:08:44 19	A. I'm not sure which articles you're referring	14:11:04 19	forced-air warming and resistive warming in adults
	to.	14:11:08 <b>20</b>	undergoing hemiarthroplasty following hip fracture.
4:08:46 <b>20</b>	Q. Well McGovern was Dr. Reed was on that;	14:11:13 <b>21</b>	Health/economic evaluations will form the secondary
		14:11:16 22	aim of this study.
4:08:46 <b>21</b>	correct?	14.11.10	
4:08:46 <b>21</b> 4:08:49 <b>22</b>	•	14:11:17 23	•
4:08:46 <b>21</b> 4:08:49 <b>22</b> 4:08:49 <b>23</b>	correct? A. Yes.	14:11:17 23	Are you aware that 3M is provi funding a
4:08:46 20 4:08:46 21 4:08:49 22 4:08:49 23 4:08:50 24 4:08:52 25	correct?  A. Yes.  Q. And you're aware that actually Dr. McGovern	14:11:17 <b>23</b> 14:11:18 <b>24</b>	Are you aware that 3M is provi funding a study?
4:08:46 <b>21</b> 4:08:49 <b>22</b> 4:08:49 <b>23</b>	correct? A. Yes.	14:11:17 23	Are you aware that 3M is provi funding a

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14:11:20 1 Q. Is that the type of study that might be 14:11:22 2 helpful in determining whether or not forced-air 14:11:25 3 warming has an effect on periprosthetic joint 14:11:29 4 infection? 14:11:29 5 MR. COREY GORDON: Object to the form of 14:11:30 6 the question. 14:11:30 7 A. Hard to know, but I love information. So if 14:11:33 8 you tell me there's more information out there, I'd 14:11:36 9 love to see it. 14:11:37 10 Q. Do you think a company should suppress 14:11:48 11 research regarding the safety of a device if there is 14:11:48 12 liti ongoing litigation regarding that device? 14:11:48 13 A. So hypothetically if there's ongoing  14:11:40 2 study, I guess, from Holland.  14:14:14 3 Q. I'm just ask 14:14:14 5 A. Yeah.  14:14:15 6 Q. Just identify a study that indicates that 14:14:29 14:14:29 15 periprosthetic. Certainly warming, I showed you the study, I guess, from Holland.  14:14:14 3 Q. I'm just ask 14:14:14 5 A. Yeah.  14:14:14 5 A. Yeah.  14:14:19 7 forced-air warming or the Bair Hugger does not cause periprosthetic joint infection.  14:14:29 8 periprosthetic. Certainly warming, I showed you the study, I guess, from Holland.  14:14:14 7 I'm asking one question.  14:14:15 7 forced-air warming or the Bair Hugger does not cause periprosthetic joint infection.  14:14:12 8 periprosthetic. Certainly warming, I showed you the study, I guess, from Holland.  14:14:14 7 I'm asking one question.  14:14:15 9 MR. COREY GORDON: Object to the form  14:14:15 14:14:15 14:14:15 15 16 16:14:14:10 16 17:14:14:15 17 16 17:14:14:15 18 18 18 18 18 18 18 18 18 18 18 18 18
helpful in determining whether or not forced-air warming has an effect on periprosthetic joint infection?  MR. COREY GORDON: Object to the form of the question.  MR. Hard to know, but I love information. So if you tell me there's more information out there, I'd living 9 love to see it.  MR. COREY GORDON: Object to the form of the question.  MR. COREY GORDON: Object to the form of the question.  MR. COREY GORDON: Object to the form of the question.  MR. COREY GORDON: Object to the form of the question.  MR. COREY GORDON: Object to the form of the question.  MR. COREY GORDON: Object to the form the question.  MR. COREY GORDON: Object to the form the question.  MR. COREY GORDON: Object to the form the question.  MR. COREY GORDON: Object to the form the question.  MR. COREY GORDON: Object to the form the question.  A. Yeah. I mean, I can't come up with an answer for that right now.  MR. COREY GORDON: Object to the form the question.  A. Yeah. I mean, I can't come up with an answer for that right now.  MR. COREY GORDON: Object to the form
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4 infection?  MR. COREY GORDON: Object to the form of the question.  MR. COREY GORDON: Object to the form of the question.  MR. COREY GORDON: Object to the form of the question.  MR. COREY GORDON: Object to the form of the question.  MR. COREY GORDON: Object to the form of the question.  MR. Corey Gordon: MR. Corey question.  MR. Corey Gordon: MR. Corey question.  MR. Corey question.
MR. COREY GORDON: Object to the form of the question.  MR. COREY GORDON: Object to the form of the question.  MR. COREY GORDON: Object to the form of the question.  MR. COREY GORDON: Object to the form of the question.  MR. COREY GORDON: Object to the form of the question.  MR. Cored-air warming or the Bair Hugger does not cause periprosthetic joint infection.  MR. COREY GORDON: Object to the form of the question.  MR. COREY GORDON: Object to the form the question.  MR. COREY GORDON: Object to the form the question.  MR. COREY GORDON: Object to the form the question.  MR. COREY GORDON: Object to the form the question.  MR. COREY GORDON: Object to the form the question.  MR. COREY GORDON: Object to the form the question.  MR. COREY GORDON: Object to the form the question.  MR. Yeah.  MR. COREY GORDON: Object to the form the question.  MR. COREY GORDON: Object to the form the question.  MR. Yeah.  MR. COREY GORDON: Object to the form the question.  MR. Yeah.  MR. COREY GORDON: Object to the form the question.  MR. Yeah.  MR. COREY GORDON: Object to the form the question.  MR. Yeah.  MR. COREY GORDON: Object to the form the question.  MR. Yeah.  MR. COREY GORDON: Object to the form the question.  MR. Yeah.  MR. COREY GORDON: Object to the form the question.  MR. Yeah.  MR. COREY GORDON: Object to the form the question.  MR. Yeah.  MR. COREY GORDON: Object to the form the question.  MR. Yeah.  MR. COREY GORDON: Object to the form the question.  MR. Yeah.  MR. COREY GORDON: Object to the form the question.  MR. Yeah.  MR. COREY GORDON: Object to the form the question.  MR. COREY GORDON: Object to the form the question.  MR. COREY GORDON: Object to the form the question.  MR. COREY GORDON: Object to the form the question.  MR. COREY GORDON: Object to the form the question.  MR. COREY GORDON: Object to the form the question.  MR. COREY GORDON: Object to the form the question.  MR. COREY GORDON: Object to the form the question.
the question.  A. Hard to know, but I love information. So if you tell me there's more information out there, I'd you to see it.  Do you think a company should suppress research regarding the safety of a device if there is liti ongoing litigation regarding that device?  Liti1:48 13 A. So hypothetically if there's ongoing litigation regarding the safety ongoing litigation regarding that device?  Liti1:48 13 A. So hypothetically if there's ongoing litigation regarding the safety ongoing litigation regarding that device?  Lititities 10 Q. Just identify a study that indicates that forced-air warming or the Bair Hugger does not cause periprosthetic joint infection.  Lititities 9 MR. COREY GORDON: Object to the form the question.  Lititities 10 A. Yeah. I mean, I can't come up with an answer for that right now.  Lititities 12 Q. Okay. And are you awa
A. Hard to know, but I love information. So if you tell me there's more information out there, I'd love to see it.  14:11:38 10 Q. Do you think a company should suppress 14:11:42 11 research regarding the safety of a device if there is 14:11:42 12 liti ongoing litigation regarding that device? 14:11:48 13 A. So hypothetically if there's ongoing  14:11:41 7 forced-air warming or the Bair Hugger does not cause periprosthetic joint infection. 14:14:23 8 periprosthetic joint infection. 14:14:23 10 MR. COREY GORDON: Object to the form the question. 14:14:25 10 the question. 14:14:27 11 A. Yeah. I mean, I can't come up with an answer for that right now. 14:14:29 12 answer for that right now. 14:14:31 13 Q. Okay. And are you awa
14:11:338you tell me there's more information out there, I'd14:14:238periprosthetic joint infection.14:11:389love to see it.14:14:259MR. COREY GORDON: Object to the form14:11:3810Q. Do you think a company should suppress14:14:2510the question.14:11:4211research regarding the safety of a device if there is14:14:2711A. Yeah. I mean, I can't come up with an14:11:4813A. So hypothetically if there's ongoing14:14:3113Q. Okay. And are you awa
14:11:36 9 love to see it.  14:11:38 10 Q. Do you think a company should suppress 14:11:42 11 research regarding the safety of a device if there is 14:11:42 12 liti ongoing litigation regarding that device? 14:11:48 13 A. So hypothetically if there's ongoing  14:11:42 9 MR. COREY GORDON: Object to the form 14:14:25 10 the question.  14:14:27 11 A. Yeah. I mean, I can't come up with an answer for that right now. 14:14:29 12 Q. Okay. And are you awa
14:11:38 10 Q. Do you think a company should suppress 14:11:42 11 research regarding the safety of a device if there is 14:11:45 12 liti ongoing litigation regarding that device? 14:11:48 13 A. So hypothetically if there's ongoing 14:11:48 13 Q. Okay. And are you awa
14:11:42 11 research regarding the safety of a device if there is 14:11:45 12 liti ongoing litigation regarding that device? 14:11:48 13 A. So hypothetically if there's ongoing  14:11:42 11 A. Yeah. I mean, I can't come up with an answer for that right now.  14:11:42 13 Q. Okay. And are you awa
14:11:45 12 liti ongoing litigation regarding that device? 14:11:48 13 A. So hypothetically if there's ongoing 14:14:31 13 Q. Okay. And are you awa
44:11:48 13 A. So hypothetically if there's ongoing 14:14:31 13 Q. Okay. And are you awa
14:11:51 14 litigation a company tries to suppress? 14:14:36 14 You've read Dr. Kurz's deposition; correct?
14:11:54 <b>15 Q.</b> Research. 14:14:39 <b>15 A.</b> I have.
14:11:56 <b>16 A.</b> And this is hypothetical? 14:14:39 <b>16 Q.</b> You're aware that she told 3M that her 199
14:11:57 <b>17 Q.</b> Yes. Hypothetically. 14:14:42 <b>17</b> study only applies to colorectal surgeries.
14:11:59 <b>18 A.</b> Yeah. 14:14:46 <b>18</b> MR. COREY GORDON: Object to the form
14:12:00 <b>19 Q.</b> You think that's okay? 14:14:47 <b>19</b> the question, misstates the evidence, assumes facts
14:12:02 <b>20 A.</b> I don't think 14:14:49 <b>20</b> not in evidence.
14:12:02 21 Q. Regarding the safety of a device. 14:14:49 21 A. Don't remember what she told 3M, but that
14:12:02 22 A. Huh? 14:12:02 22 that's the study that she did was colorectal
A. Regarding the safety, hiding data?  Q. And it only applied to colorectal patients;
14:12:06 <b>25 Q.</b> Or or not or not 14:14:58 <b>25</b> correct?
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1 Or suppressing research. 14:14:58 1 MR. COREY GORDON: Object to the form
14:12:10 <b>2 A.</b> Oh, suppressing research. I don't know the 14:14:59 <b>2</b> the question.
14:12:14 <b>3</b> details of what you're getting at here. 14:14:59 <b>3 A.</b> I don't know that she said that but, you
14:12:14 <b>4 Q.</b> Okay. 14:15:01 <b>4</b> know, if she said I'm not sure that that would be so
14:12:16 <b>5 A.</b> You're trying to say somebody suppressed 14:15:03 <b>5 Q.</b> And you're aware that Dr. Augustine and [
14:12:19 <b>6</b> research maybe. 14:15:07 <b>6</b> Sessler used that information and marketed the Bail
14:12:20 <b>7 Q.</b> Well hypothetically speaking, if a a 14:15:10 <b>7</b> Hugger across the world to increase sales.
14:12:23 <b>8</b> decision was made by 3M not to perform any research 14:15:12 <b>8</b> MR. COREY GORDON: Object to the form
14:12:27 <b>9</b> regarding the safety and efficacy of the Bair Hugger 14:15:14 <b>9</b> the question, and assumes facts not in evidence.
14:12:29 <b>10</b> during this litigation, would you consider that being 14:15:16 <b>10 A.</b> I'm not aware that they did that, but if
14:12:34 11 responsible by a corporation? 14:15:19 11 that was the best data, and again if I
14:12:34 11 responsible by a corporation:  14:12:34 12
14:12:39 13 have information already on the safety and efficacy of 14:15:24 13 A. I love data. That's why I'm saying it, for
14:12:29 13 Have information already on the safety and emicacy of Harizan 13 A. I love data. That's why I'm saying it, for Harizan 14:15:24 14 the Bair Hugger, and will this add more and they will Harizan 14:15:27 14 you. If I You know, if I said to you, look, here's
, , ,
14:12:53 16 thing laid out and what the circumstances are for or 14:15:35 16 you're saying, well I'm getting a little different
14:12:57 17 not. 14:15:37 17 operation than that one, I would still advise you this
14:13:18 <b>Q.</b> Can you identify one study that indicates 14:15:42 <b>18</b> is the best data.
14:13:22 <b>19</b> that the Bair Hugger does not cause periprosthetic 4:15:43 <b>19 Q.</b> Where do you get that it cuts down by two
14:13:26 <b>20</b> joint infections? 14:15:46 <b>20</b> thirds?
MR. COREY GORDON: Object to the form of 14:15:46 21 A. You mean the Kurz study?
14:13:31 <b>22</b> the question. 14:15:47 <b>22 Q.</b> Yeah.
14:13:38 23 A. "Does not cause." 14:15:48 23 A. Yes, 15 percent in five, I'm off by maybe a
So I've put in my report, you know, I think 14:15:51 <b>24</b> little bit.
14:13:57 <b>25</b> everything from the two clinical trials, but 14:15:51 <b>25 Q.</b> Okay. And And you heard her say recei
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14:15:53	233 that that that study would not be scientifically	14:17:55 <b>1</b>	235 <b>A.</b> Yes.
•	valid today; correct?		Q. Okay. With respect to the Leeming
•	MR. COREY GORDON: Object to the form of		Leeming article that we just referenced, are you aware
14:16:00 <b>3</b>	the question and misstates the testimony.	14:19:18 <b>3</b>	that the biopsies of the skin were taken on the back?
14:16:01 5	<b>A.</b> I actually read the whole response that she	14:19:24 <b>5</b>	<b>A.</b> No. I did you know, we this was a
14:16:01 6	said, and then later on she was questioned. Did you	14:19:24 6	very quick look and wanted to see the punch line.
-	And she said, did I really say that? Because I	14:19:27 <b>7</b>	<b>Q.</b> So you would agree with me that just assume
14:16:09 <b>/</b>	You know, then she went on to say, I would need a	14:19:30	that I'm reading this correctly, that the samples were
•	bigger study because, you know, so many things have		taken on the back skin okay, the back the back
14:16:16 <b>9</b> 14:16:20 <b>10</b>	been done and everybody has to have a warmer. And the	14:19:34 <b>9</b> 14:19:37 <b>10</b>	skin, that that doesn't indicate that there's data
14:16:20 10	second thing, she said it may not be two thirds, she	14:19:37 10	that these types of bacteria are on the glands in the
14:16:22 11	said 30 percent reduction is probably what I would see	14:19:40 11	knee or hip; correct?
14:16:26 12	today.	14:19:45 12	<b>A.</b> If that's true, then that's what the study
14:16:29 13	Q. In colo	14:19:47 13	would say.
14:16:31 14		14:19:50 14	<b>Q.</b> Okay.
14:16:32 15	<ul><li>A. Still humongous, she said.</li><li>Q. Do you think there's a difference between</li></ul>	14:19:50 15	A. I'm not questioning your
	•	14:19:51 17	
14:16:36 <b>17</b> 14:16:38 <b>18</b>	colorectal surgery and and a knee surgery?  MR. COREY GORDON: Object to the form of	14:19:54 17	Q. All right. (Mr. Ben Gordon departed the proceedings.)
14:16:38 <b>10</b> 14:16:40 <b>19</b>	the question.	14:19:54 10	Q. And as an expert that's doing a literature
14:16:40 19	•	14:20:45 19	•
14:16:40 <b>20</b> 14:16:42 <b>21</b>	<b>A.</b> Of course there's a difference, I mean. But	14:20:48 <b>20</b> 14:20:54 <b>21</b>	review, the best evidence to rely upon are going to be
14:16:42 <b>2 1</b>	if you said does the skin react differently, you know,	14:20:54 <b>2 I</b> 14:20:56 <b>22</b>	peer-reviewed studies; correct?
14:16:47 <b>22</b> 14:16:51 <b>23</b>	or the microbiome, the body's physiology whether a	14:20:56 <b>22</b> 14:20:58 <b>23</b>	MR. COREY GORDON: Object to the form of
14:16:51 <b>23</b> 14:16:55 <b>24</b>	knife is on the abdomen or on a hip, I'm not sure.	14:20:58 23	the question.
14:16:55 <b>24</b> 14:16:57 <b>25</b>	Q. You think, sitting here today, that the	14:20:58 <b>24</b> 14:21:01 <b>25</b>	<ul><li>A. In general I think that's better.</li><li>Q. Because there are many studies that are</li></ul>
14:16:57 23	primary source of the bacteria in a colorectal surgery STIREWALT & ASSOCIATES	14:21:01 23	Q. Because there are many studies that are STIREWALT & ASSOCIATES
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14:17:02	which has a high incidence of infection, is the skin	14:21:03	performed, even internally at 3M, that they might just
14:17:05 <b>2</b>	and not the colon?	14:21:07 <b>2</b>	be trying to determine which is the best way to study
14:17:07	A. Well they had both, actually. When you look	14:21:12 3	
14:17:09 4	at the organisms, if you found a Staph aureus, which	14:21:17 4	A. Yeah, I don't know what 3M's doing in trying
14:17:13 <b>5</b>	they certainly found, that was part of the finding.	14:21:17 5	to come up with techniques.
14:17:16	That's not an organism commonly in the GI tract. Can	14:21:18 6	<b>Q.</b> But, for example, let's talk about, you
14:17:20 7	be. They also found enterococcus, they had one	14:21:26 7	know, culturing glands, okay? Let's see what grows in
14:17:24	candida. So they certainly had a mixture of what was	14:21:29 8	glands. There might be some techniques that work to
14:17:26	in the GI tract and what was on the skin. So if	14:21:31 9	determine whether or not there's bacteria in the
14:17:29 10	that's what you're asking, yes.	14:21:33 10	glands, and there might be other techniques that might
14:17:30 11	Q. I mean you agree with me that colorectal	14:21:35 11	not work; correct?
14:17:32 12	surgery has a high incidence of infection because it's	14:21:37 12	MR. COREY GORDON: Object to the form of
14:17:34 13	a whether it's a clean contaminated or a	14:21:37 13	the question.
		م م	A. Hypothetically, yes.
14:17:37 14	contaminated surgery; correct?	14:21:37 14	A. Hypothetically, yes.
14:17:37 <b>14</b> 14:17:38 <b>15</b>	contaminated surgery; correct? <b>A.</b> That is correct.	14:21:37 <b>14</b> 14:21:39 <b>15</b>	Q. And as a scientist you're trying to
	_		
14:17:38 15	A. That is correct.	14:21:39 15	Q. And as a scientist you're trying to
14:17:38 <b>15</b> 14:17:39 <b>16</b>	<ul><li>A. That is correct.</li><li>Q. It's a much different surgery than a total</li></ul>	14:21:39 <b>15</b> 14:21:41 <b>16</b>	<b>Q.</b> And as a scientist you're trying to determine, you know, if you want to collect data,
14:17:38 <b>15</b> 14:17:39 <b>16</b> 14:17:41 <b>17</b>	<ul><li>A. That is correct.</li><li>Q. It's a much different surgery than a total hip and total knee,</li></ul>	14:21:39 <b>15</b> 14:21:41 <b>16</b> 14:21:44 <b>17</b>	<b>Q.</b> And as a scientist you're trying to determine, you know, if you want to collect data, which is the best way to collect data; correct?
14:17:38 <b>15</b> 14:17:39 <b>16</b> 14:17:41 <b>17</b> 14:17:42 <b>18</b>	<ul> <li>A. That is correct.</li> <li>Q. It's a much different surgery than a total</li> <li>hip and total knee,</li> <li>A. It's</li> </ul>	14:21:39 <b>15</b> 14:21:41 <b>16</b> 14:21:44 <b>17</b> 14:21:49 <b>18</b>	<ul><li>Q. And as a scientist you're trying to determine, you know, if you want to collect data, which is the best way to collect data; correct?</li><li>A. I'd like to know the best way always.</li></ul>
14:17:38 <b>15</b> 14:17:39 <b>16</b> 14:17:41 <b>17</b> 14:17:42 <b>18</b> 14:17:42 <b>19</b>	<ul> <li>A. That is correct.</li> <li>Q. It's a much different surgery than a total hip and total knee,</li> <li>A. It's</li> <li>Q which is a clean surgery.</li> </ul>	14:21:39	<ul> <li>Q. And as a scientist you're trying to determine, you know, if you want to collect data, which is the best way to collect data; correct?</li> <li>A. I'd like to know the best way always.</li> <li>Q. Okay. And sometimes you might try a method</li> </ul>
14:17:38	<ul> <li>A. That is correct.</li> <li>Q. It's a much different surgery than a total hip and total knee,</li> <li>A. It's</li> <li>Q which is a clean surgery.</li> <li>A. It's different from those operations, yeah.</li> </ul>	14:21:39 15 14:21:41 16 14:21:44 17 14:21:49 18 14:21:51 19 14:21:54 20	<ul> <li>Q. And as a scientist you're trying to determine, you know, if you want to collect data, which is the best way to collect data; correct?</li> <li>A. I'd like to know the best way always.</li> <li>Q. Okay. And sometimes you might try a method that might not work; correct?</li> </ul>
14:17:38 15 14:17:39 16 14:17:41 17 14:17:42 18 14:17:42 19 14:17:45 20 14:17:47 21	<ul> <li>A. That is correct.</li> <li>Q. It's a much different surgery than a total hip and total knee,</li> <li>A. It's</li> <li>Q which is a clean surgery.</li> <li>A. It's different from those operations, yeah. But what I'm saying</li> </ul>	14:21:39 15 14:21:41 16 14:21:44 17 14:21:49 18 14:21:51 19 14:21:54 20 14:21:56 21	<ul> <li>Q. And as a scientist you're trying to determine, you know, if you want to collect data, which is the best way to collect data; correct?</li> <li>A. I'd like to know the best way always.</li> <li>Q. Okay. And sometimes you might try a method that might not work; correct?</li> <li>A. Happens all the time.</li> </ul>
14:17:38 15 14:17:39 16 14:17:41 17 14:17:42 18 14:17:42 19 14:17:45 20 14:17:47 21 14:17:48 22	<ul> <li>A. That is correct.</li> <li>Q. It's a much different surgery than a total hip and total knee,</li> <li>A. It's</li> <li>Q which is a clean surgery.</li> <li>A. It's different from those operations, yeah. But what I'm saying</li> <li>Q. Well that's all I that's all I need.</li> </ul>	14:21:39 15 14:21:41 16 14:21:44 17 14:21:49 18 14:21:51 19 14:21:54 20 14:21:56 21 14:21:57 22	<ul> <li>Q. And as a scientist you're trying to determine, you know, if you want to collect data, which is the best way to collect data; correct?</li> <li>A. I'd like to know the best way always.</li> <li>Q. Okay. And sometimes you might try a method that might not work; correct?</li> <li>A. Happens all the time.</li> <li>Q. Okay. Happens all the time.</li> </ul>
14:17:38 15 14:17:39 16 14:17:41 17 14:17:42 18 14:17:42 19 14:17:45 20 14:17:47 21 14:17:49 22 14:17:50 23	<ul> <li>A. That is correct.</li> <li>Q. It's a much different surgery than a total hip and total knee,</li> <li>A. It's</li> <li>Q which is a clean surgery.</li> <li>A. It's different from those operations, yeah. But what I'm saying</li> <li>Q. Well that's all I that's all I need.</li> <li>A. Okay.</li> </ul>	14:21:39 15 14:21:41 16 14:21:44 17 14:21:49 18 14:21:51 19 14:21:54 20 14:21:56 21 14:21:57 22 14:21:59 23	<ul> <li>Q. And as a scientist you're trying to determine, you know, if you want to collect data, which is the best way to collect data; correct?</li> <li>A. I'd like to know the best way always.</li> <li>Q. Okay. And sometimes you might try a method that might not work; correct?</li> <li>A. Happens all the time.</li> <li>Q. Okay. Happens all the time. And when you try a method that doesn't work,</li> </ul>
14:17:38 15 14:17:39 16 14:17:41 17 14:17:42 18 14:17:42 19 14:17:45 20 14:17:47 21 14:17:49 22 14:17:50 23 14:17:51 24	<ul> <li>A. That is correct.</li> <li>Q. It's a much different surgery than a total hip and total knee,</li> <li>A. It's</li> <li>Q which is a clean surgery.</li> <li>A. It's different from those operations, yeah. But what I'm saying</li> <li>Q. Well that's all I that's all I need.</li> <li>A. Okay.</li> <li>Q. So, I mean, we agree that total hip and</li> </ul>	14:21:39 15 14:21:41 16 14:21:44 17 14:21:51 19 14:21:54 20 14:21:56 21 14:21:57 22 14:21:59 23 14:22:01 24	<ul> <li>Q. And as a scientist you're trying to determine, you know, if you want to collect data, which is the best way to collect data; correct?</li> <li>A. I'd like to know the best way always.</li> <li>Q. Okay. And sometimes you might try a method that might not work; correct?</li> <li>A. Happens all the time.</li> <li>Q. Okay. Happens all the time. And when you try a method that doesn't work, do you publish that?</li> </ul>

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14:22:03	Q. You may if you've gone through a whole	14:24:16 <b>1</b>	authors said, look, we tried three different ways in
14:22:06 <b>2</b>	study; correct?	14:24:19 2	five different studies to try to find colony-forming
14:22:07	<b>A.</b> You might.	14:24:21 3	units when the Bair Hugger was working, we couldn't.
14:22:08 4	Q. Okay. But you might not publish it;	14:24:24 4	So collectively I think those are use useful data.
14:22:11 5	correct?	14:24:30 <b>5</b>	Q. Did you look at the studies?
14:22:12 6	MR. COREY GORDON: Object to the form of	14:24:32 6	A. I did.
14:22:13 7	the question, incomplete hypothetical.	14:24:33 7	Q. Okay. And they were not peer reviewed;
14:22:15	<b>A.</b> I don't I don't know. I If you're	14:24:38	correct?
14:22:18	getting to the maybe seven studies that were done by	14:24:39	<b>A.</b> Don't even know I whether how many were
14:22:18 3	Dr. Reed and Dr and his colleagues that were not	14:24:42 10	even sent for peer review. You mean the seven that
14:22:24 10	published that were important data, then I probably	14:24:42 10	I'm talking about?
14:22:27 11	won't agree with you.		-
		14:24:46 12	Q. Were you provided any studies from 3M
14:22:35 13	Q. Oh. So you could have unpublished data	14:24:48 13	internally?
14:22:37 14	that's important?	14:24:49 14	<b>A.</b> No.
14:22:40 15	A. I guess what I'm saying is	14:24:49 15	<b>Q.</b> Okay. So 3M just provided you the studies
14:22:42 16	<b>Q.</b> Is that what you're saying?	14:24:51 16	to call talk about hidden studies of actual
14:22:43 17	Answer my question, please?	14:24:56 17	researchers that are trying to solve a problem, and
14:22:44 18	MR. COREY GORDON: He's about to answer	14:24:58 18	they did not provide important internal studies that
14:22:47 19	your question.	14:25:00 19	they have; correct?
14:22:47 <b>20</b>	<b>A.</b> No. I'm trying	14:25:02 <b>20</b>	A. Well
14:22:47 <b>21</b>	MR. COREY GORDON: Don't cut him off.	14:25:02 <b>21</b>	MR. COREY GORDON: Object to the form of
14:22:47 <b>22</b>	<b>A.</b> I'm trying to answer your question. So	14:25:04 <b>22</b>	the question.
14:22:47 23	let's go back to	14:25:04 23	THE WITNESS: Yeah.
14:22:50 <b>24</b>	MR. ASSAAD: Simple question.	14:25:04 <b>24</b>	<b>A.</b> Well I guess what I found out about the
14:22:50 <b>25</b>	A. Let's go back to particles	14:25:05 <b>25</b>	studies was primarily through the depositions.
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14:22:51	MR. ASSAAD: A very simple question.	14:25:08	Q. That wasn't my question. Just please answer
14:22:55 <b>2</b>	<b>Q.</b> Okay. I'm talking to my colleague.	14:25:09	my question.
14:22:56 3	A. Yeah, that's fine.	14:25:09 3	A. Yeah.
14:22:57	Q. I'm just saying it was a simple question,	14:25:10 4	Q. Did they provide you studies or not?
_	but you go ahead and answer.	_	A. Okay. Look. Maybe I didn't understand. Go
•		14:25:12 5	•
_	<b>A.</b> Okay. So, you know, one of the studies, you	14:25:12 6	ahead.
14:23:04 7	know, a series of studies that looked at particles as	14:25:12 7	Q. Did they provide you internal studies? Just
14:23:10	opposed to bacteria. And the real question is just,	14:25:13	answer my question, sir.
14:23:16		_	MD COREY CORPONE Asked Objection
4.0	you know, you might find more particles, you might	14:25:13 9	MR. COREY GORDON: Asked Objection
14:23:18 10	find more heat, you might find, you know, smoke, for	14:25:15 10	(Interruption by the reporter.)
14:23:23 11	find more heat, you might find, you know, smoke, for example, but if the the question then is, do are	14:25:15 <b>10</b> 14:25:16 <b>11</b>	(Interruption by the reporter.) MR. COREY GORDON: Objection, asked and
14:23:23 <b>11</b> 14:23:29 <b>12</b>	find more heat, you might find, you know, smoke, for example, but if the the question then is, do are the particles actually associated or linked with the	14:25:15 <b>10</b> 14:25:16 <b>11</b> 14:25:17 <b>12</b>	(Interruption by the reporter.)  MR. COREY GORDON: Objection, asked and answered.
14:23:23 <b>11</b> 14:23:29 <b>12</b> 14:23:32 <b>13</b>	find more heat, you might find, you know, smoke, for example, but if the the question then is, do are the particles actually associated or linked with the colony-forming units.	14:25:15 <b>10</b> 14:25:16 <b>11</b> 14:25:17 <b>12</b> 14:25:18 <b>13</b>	(Interruption by the reporter.) MR. COREY GORDON: Objection, asked and answered. Q. Did they provide you any internal studies?
14:23:23	find more heat, you might find, you know, smoke, for example, but if the the question then is, do are the particles actually associated or linked with the colony-forming units.  So in my report I have eight studies that	14:25:15 10 14:25:16 11 14:25:17 12 14:25:18 13 14:25:20 14	(Interruption by the reporter.)  MR. COREY GORDON: Objection, asked and answered.
14:23:23 11 14:23:29 12 14:23:32 13 14:23:33 14 14:23:36 15	find more heat, you might find, you know, smoke, for example, but if the the question then is, do are the particles actually associated or linked with the colony-forming units.	14:25:15 10 14:25:16 11 14:25:17 12 14:25:18 13 14:25:20 14 14:25:22 15	(Interruption by the reporter.) MR. COREY GORDON: Objection, asked and answered. Q. Did they provide you any internal studies?
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	CASE 0:15-md-02666-JNE-DTS Doc CONFIDENTIAL - SUBJECT TO PROTECTIVE ORDER	<del>. 823-7</del>	Filed 09/12/17 Page 63 of 95 CONFIDENTIAL - SUBJECT TO PROTECTIVE ORDER
1	the question, assumes facts not in evidence	14:29:26 1	243 MR. COREY GORDON: Object to the form of
14:26:23 <b>1</b>	the question, assumes facts not in evidence. <b>A.</b> Don't know anything about that.		-
•	Q. So 3M did not provide you the data that they		the question, also lack of foundation. <b>A.</b> I don't know what they think about
14:26:25 <b>3</b> 14:26:28 <b>4</b>	did particle tests out in Holland?	14:29:28 <b>3</b>	particles, no.
14:26:30 <b>5</b>	MR. COREY GORDON: Same objections.	14:29:31 <b>5</b>	<b>Q.</b> I mean, have you worked with orthopedic
•	A. I don't have that data.	14:29:31 6	surgeons in the past?
-	Q. Okay. Are you surprised that that data	14:29:34 7	A. Only clinically
14:26:32 <b>/</b> 14:26:34 <b>8</b>	exists?	14:29:35	Q. When you say clini
14:26:34 9	MR. COREY GORDON: Same objections.	14:29:37	<b>A.</b> where you take care of their patients.
14:26:35 10	<b>A.</b> I don't know how to answer that. I have	14:29:39 10	<b>Q.</b> After they've had the infection; correct?
14:26:37 11	just haven't gotten it yet.	14:29:40 11	A. That's correct, yeah.
14:26:39 12	<b>Q.</b> Are you aware that 3M funded a study to do	14:29:41 12	Q. Okay. Do the numbers of bacteria arriving
14:26:42 13	the effects of the Bair Hugger on particles in a	14:30:09 13	in the surgical wound correlate directly with the
14:26:46 14	laminar operating room?	14:30:12 14	probability of surgical-site infection?
14:26:48 15	A. No.	14:30:16 15	<b>A.</b> Well I would point to Stocks article first,
14:26:49 16	<b>Q.</b> Did you do independent research to determine	14:30:19 16	and he has a correlation for those particles that are
14:26:52 17	whether or not there were particle tests conducted on	14:30:19 17	greater than 10 microns in size. And then there is
14:26:56 18	the Bair Hugger?	14:30:28 18	the study we talked about, the Darouiche study, that
14:26:57 19	<b>A.</b> Did I do research?	14:30:28 10	modeled bacteria and particles.
14:26:58 20	Q. Yeah.	14:30:37 20	Q. So you agree with Stocks' paper?
14:26:59 21	A. No. I Everything that I did is in my	14:30:40 21	MR. COREY GORDON: Object to the form of
14:27:02 <b>22</b>	report.	14:30:41 22	the question.
14:27:02 <b>23</b>	<b>Q.</b> So you did not do any PubMed searches or	14:30:41 23	<b>A.</b> Let me Let me Let me finish.
14:27:05 <b>24</b>	researches to search with particle tests for a Bair	14:30:43 24	You know, and then there's Birgand's study
14:27:08 <b>25</b>	Hugger?	14:30:46 <b>25</b>	who in fact shows the correlation between in
	STIREWALT & ASSOCIATES		STIREWALT & ASSOCIATES
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	CONFIDENTIAL - SUBJECT TO PROTECTIVE ORDER		CONFIDENTIAL - SUBJECT TO PROTECTIVE ORDER
	242		244
14:27:08	MR. COREY GORDON: Object to the form of	14:30:48	general between particles and bacteria. But he also
14:27:10 <b>2</b>	the question.	14:30:52 <b>2</b>	did something else, he looked at the relationship
14:27:10 3	A. Yeah, I did. I I think I have those	14:30:55 3	between the number of particles in the air and the
14:27:13 4	listed.	14:31:01 4	contamination of the wound. That did not correlate at
14:27:14 <b>5</b>	Q. You don't have the Dr. Sessler and Russ	14:31:03 <b>5</b>	all. So Birgand talked about those studies in his
14:27:16			
. 7.27.10	Olmsted study; do you?	14:31:11 6	article that there were many that showed a correlation
-	Olmsted study; do you?  A. No, I don't think so.	14:31:11 <b>6</b> 14:31:14 <b>7</b>	
14:27:18 7		_	article that there were many that showed a correlation and also many that didn't show a correlation.
14:27:18 <b>7</b> 14:27:19 <b>8</b>	A. No, I don't think so.	14:31:14 7	article that there were many that showed a correlation and also many that didn't show a correlation.
14:27:18 <b>7</b> 14:27:19 <b>8</b> 14:27:22 <b>9</b>	<ul><li>A. No, I don't think so.</li><li>Q. Okay. So the one study that was funded by</li></ul>	14:31:14 <b>7</b> 14:31:19 <b>8</b>	article that there were many that showed a correlation and also many that didn't show a correlation.  Q. So can you answer my question "yes" or "no"?
14:27:18 <b>7</b> 14:27:19 <b>8</b> 14:27:22 <b>9</b> 14:27:24 <b>10</b>	<ul><li>A. No, I don't think so.</li><li>Q. Okay. So the one study that was funded by</li><li>3M, you don't have.</li></ul>	14:31:14 <b>7</b> 14:31:19 <b>8</b> 14:31:21 <b>9</b>	article that there were many that showed a correlation and also many that didn't show a correlation.  Q. So can you answer my question "yes" or "no"?  I want to know what your opinion is, not what other
14:27:18 <b>7</b> 14:27:19 <b>8</b> 14:27:22 <b>9</b> 14:27:24 <b>10</b> 14:27:24 <b>11</b>	<ul><li>A. No, I don't think so.</li><li>Q. Okay. So the one study that was funded by</li><li>3M, you don't have.</li><li>A. Correct.</li></ul>	14:31:14 <b>7</b> 14:31:19 <b>8</b> 14:31:21 <b>9</b> 14:31:23 <b>10</b>	article that there were many that showed a correlation and also many that didn't show a correlation.  Q. So can you answer my question "yes" or "no"? I want to know what your opinion is, not what other people say.
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14:27:18	<ul> <li>A. No, I don't think so.</li> <li>Q. Okay. So the one study that was funded by</li> <li>3M, you don't have.</li> <li>A. Correct.  MR. COREY GORDON: Object to the form of the question.  THE WITNESS: I'm sorry.</li> <li>Q. That was done in 2011. You don't have that study.</li> <li>A. I don't think I have that study.</li> <li>Q. Okay. Are you aware that 3M has relied heavily on the Sessler study in trying to market the Bair Hugger device and its safety?  MR. COREY GORDON: Object to the form of the question, also assumes facts not in evidence.</li> <li>A. No, I don't know any of that.</li> <li>Q. Doctor, you are aware that many orthopedic</li> </ul>	14:31:14 7 14:31:19 8 14:31:21 9 14:31:23 10 14:31:23 11 14:31:29 13 14:31:29 14 14:31:29 15 14:31:30 16 14:31:35 17 14:31:38 18 14:31:41 19 14:31:43 20 14:31:44 21 14:31:46 22 14:31:49 23	article that there were many that showed a correlation and also many that didn't show a correlation.  Q. So can you answer my question "yes" or "no"? I want to know what your opinion is, not what other people say.  A. No. I understand. I mean I'm MR. COREY GORDON: Let him finish his Q. I could read their I could their articles.  A. Yeah. Q. My question is: Does Dr. Wenzel, you, do you agree that the number of bacteria arriving in the surgical wound correlate directly with the probability of surgical-site infection? MR. COREY GORDON: Object to the form of the question, move to strike counsel's commentary.  A. So when you say those, you're talking about the studies that correlate particles and bacteria are
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	CC	CASE 0:15-md-02666-JNE-DTS DOC DIFIDENTIAL SUBJECT TO PROTECTIVE ORDER	<del>. 823-7</del>	Filed 09/12/17 Page 64 of 95 CONFIDENTIAL - SUBJECT TO PROTECTIVE ORDE
	•	245	_	247
14:31:53		you're saying?	14:33:46	surgical-site infections?
14:31:53 2		about not the studies, I'm talking	14:33:47 2	A. I haven't seen that, no.
4:31:56 3	_	hat Dr. Wenzel's opinion is.	14:33:48	Q. So you disagree
4:31:59 4	_	Yeah.	14:33:48 4	A. I don't know.
14:31:59 5	Q.	Okay. Based on what whatever you've read.	14:33:49 5	Q with that.
4:32:02	Α.	Yeah.	14:33:50	A. I don't know.
<b>1</b> 4:32:02 <b>7</b>		Okay. I don't want to know the studies, I	14:33:51 7	<b>Q.</b> You don't know. Okay.
14:32:05		hat the studies are. Because I know some of	14:33:52	You don't have an opinion whether or not OR
4:32:06	them yo	ou agree with and some of them you don't agree	14:34:34 9	traffic increases the risk of surgical-site infection;
4:32:09 10	with; co	rrect?	14:34:39 10	is that correct?
4:32:11 11	A.	That's right.	14:34:40 11	A. I think in general OR traffic's been linked
4:32:11 <b>12</b>	Q.	Okay. So I want to know what your opinion	14:34:43 12	to increasing particles. It's hard to know whether
4:32:13 13	is, not w	what the studies' opinion is.	14:34:45 13	those increased surgical-site infections, but I think
4:32:13 14	A.	Umm-hmm.	14:34:50 14	there are some studies. I'm having trouble
4:32:15 15	Q.	Fair enough?	14:34:52 15	remembering which ones show that it might, but it
4:32:15 16	A.	Yeah.	14:34:54 16	might be important. But then there is some
4:32:16 17	Q.	Okay. Does Dr. Wenzel agree, you, that the	14:34:57 17	contradictory evidence and I was just, in my report,
4:32:20 18		of bacteria arriving in the surgical wound	14:35:01 18	trying to show that.
4:32:23 19		e directly with the probability of a	14:35:02 19	Q. Well just so I understand, at trial you're
4:32:26 <b>20</b>		-site infection?	14:35:05 20	not going to have an opinion that OR traffic caused a
4:32:28 <b>21</b>		I can't answer that for all studies, there	14:35:12 21	surgical-site infection.
4:32:28 <b>2 1</b> 4:32:31 <b>22</b>		parity of that. But my opinion is that it's	14:35:12 21	MR. COREY GORDON: Object to the form of
	-			
4:32:36 23		n linked to surgical-site infections.	14:35:17 23	the question.
4:32:39 24		and bacteria have been linked, but not	14:35:20 24	A. At this point I don't know. Yeah.
4:32:42 <b>25</b>	necessa	rily that link of CFUs and infection.	14:35:23 <b>25</b>	<b>Q.</b> Well I
		STIREWALT & ASSOCIATES		STIREWALT & ASSOCIATES
		1-800-553-1953 info@stirewalt.com		1-800-553-1953 info@stirewalt.com
	CC	ONFIDENTIAL - SUBJECT TO PROTECTIVE ORDER		CONFIDENTIAL - SUBJECT TO PROTECTIVE ORDE
4	0	246		248 <b>A.</b> Yeah.
4:32:46	Q.	I wasn't talking about particles.	14:35:24	
4:32:48		Listen to the question.	14:35:24	Q here's the thing, doctor, and I'm not
1:32:49 3		Yeah. Go ahead.	14:35:26	trying to be difficult. I know the studies as well as
4:32:50 4	Q.	Do the numbers of bacteria arriving in the	14:35:29 4	you do.
4:32:54 <b>5</b>	_	wound correlate directly with the probability	14:35:29 <b>5</b>	A. Yeah.
1:32:57 6		cal-site infection; "yes" or "no"?	14:35:30 6	<b>Q.</b> Okay. And Not as well, but I know them
4:33:01 7	A.	Well Birgand would say no, he can't find a	14:35:33 7	fairly well. You probably know them better.
_				fairly well. Tod probably know them better.
4:33:07 <b>8</b>	correlati	on with contamination of the wound.	14:35:35 8	I'm not I could read the studies as well.
•		on with contamination of the wound. What about Dr. Wenzel?	14:35:35 <b>8</b> 14:35:37 <b>9</b>	
4:33:09				I'm not I could read the studies as well.
4:33:09 <b>9</b> 4:33:11 <b>10</b>	Q.	What about Dr. Wenzel?	14:35:37	I'm not I could read the studies as well. I want to know based on your reading of the studies
4:33:09 <b>9</b> 4:33:11 <b>10</b> 4:33:12 <b>11</b>	Q. A.	What about Dr. Wenzel? I don't know.	14:35:37 <b>9</b> 14:35:39 <b>10</b>	I'm not I could read the studies as well. I want to know based on your reading of the studies what Dr. Wenzel's opinion is, okay? Not what the
4:33:09 <b>9</b> 4:33:11 <b>10</b> 4:33:12 <b>11</b> 4:33:12 <b>12</b>	Q. A. Q. A.	What about Dr. Wenzel? I don't know. Okay. You don't know. I mean, I'm not sure.	14:35:37 <b>9</b> 14:35:39 <b>10</b> 14:35:42 <b>11</b>	I'm not I could read the studies as well. I want to know based on your reading of the studies what Dr. Wenzel's opinion is, okay? Not what the literature says, but what your opinion is. You could support it with the literature, but at this point in
4:33:09 9 4:33:11 10 4:33:12 11 4:33:12 12 4:33:13 13	Q. A. Q. A. Q.	What about Dr. Wenzel? I don't know. Okay. You don't know. I mean, I'm not sure. Okay. What about this question: Do the	14:35:37 <b>9</b> 14:35:39 <b>10</b> 14:35:42 <b>11</b> 14:35:44 <b>12</b>	I'm not I could read the studies as well. I want to know based on your reading of the studies what Dr. Wenzel's opinion is, okay? Not what the literature says, but what your opinion is. You could support it with the literature, but at this point in time I've read your report, I know what literature
4:33:09 9 4:33:11 10 4:33:12 11 4:33:12 12 4:33:13 13 4:33:16 14	Q. A. Q. A. Q. number	What about Dr. Wenzel? I don't know. Okay. You don't know. I mean, I'm not sure. Okay. What about this question: Do the of bacteria in the operating room environment	14:35:37 9 14:35:39 10 14:35:42 11 14:35:44 12 14:35:46 13 14:35:49 14	I'm not I could read the studies as well. I want to know based on your reading of the studies what Dr. Wenzel's opinion is, okay? Not what the literature says, but what your opinion is. You could support it with the literature, but at this point in time I've read your report, I know what literature you're relying upon.
4:33:09 9 4:33:11 10 4:33:12 11 4:33:12 12 4:33:13 13 4:33:16 14 4:33:19 15	Q. A. Q. A. Q. number correlate	What about Dr. Wenzel? I don't know. Okay. You don't know. I mean, I'm not sure. Okay. What about this question: Do the of bacteria in the operating room environment e directly with the probability of SSI, "yes"	14:35:37 9 14:35:39 10 14:35:42 11 14:35:44 12 14:35:46 13 14:35:49 14 14:35:50 15	I'm not I could read the studies as well. I want to know based on your reading of the studies what Dr. Wenzel's opinion is, okay? Not what the literature says, but what your opinion is. You could support it with the literature, but at this point in time I've read your report, I know what literature you're relying upon.  I just want to know, okay, do you think that
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9 133:09 9 133:11 10 133:12 11 13:33:12 12 13:33:13 13 133:16 14 133:19 15 133:24 16 133:25 17 133:27 18 133:27 18 133:29 19 133:33 20 133:34 21	Q. A. Q. A. Q. number correlate or "no," the ques yes-or-r Q. A.	What about Dr. Wenzel? I don't know. Okay. You don't know. I mean, I'm not sure. Okay. What about this question: Do the of bacteria in the operating room environment edirectly with the probability of SSI, "yes" according to Dr. Wenzel? MR. COREY GORDON: Object to the form of stion, incomplete hypothetical. It's not a no question. "Yes" or "no"? So the total number of bacteria in the air?	14:35:37 9 14:35:39 10 14:35:42 11 14:35:44 12 14:35:46 13 14:35:50 15 14:35:56 16 14:36:07 17 14:36:07 20 14:36:07 21	I'm not I could read the studies as well.  I want to know based on your reading of the studies what Dr. Wenzel's opinion is, okay? Not what the literature says, but what your opinion is. You could support it with the literature, but at this point in time I've read your report, I know what literature you're relying upon.  I just want to know, okay, do you think that OR traffic increases the risk of surgical-site infections in a total hip or total knee arthroplasty?  A. It might, yes.  Q. It might  A. Yeah.  Q or it does?
9 (133:10) 9 (133:11) 10 (133:12) 11 (133:13) 13 (133:16) 14 (133:19) 15 (133:27) 18 (133:27) 18 (133:29) 19 (133:33) 20 (133:34) 21 (133:36) 22	Q. A. Q. number correlate or "no," the ques yes-or-r Q. A. Q.	What about Dr. Wenzel? I don't know. Okay. You don't know. I mean, I'm not sure. Okay. What about this question: Do the of bacteria in the operating room environment edirectly with the probability of SSI, "yes" according to Dr. Wenzel? MR. COREY GORDON: Object to the form of stion, incomplete hypothetical. It's not a no question. "Yes" or "no"? So the total number of bacteria in the air? I'll read it again.	14:35:37 9 14:35:39 10 14:35:42 11 14:35:44 12 14:35:46 13 14:35:50 15 14:35:50 15 14:36:06 18 14:36:07 19 14:36:07 20 14:36:07 21 14:36:08 22	I'm not I could read the studies as well.  I want to know based on your reading of the studies what Dr. Wenzel's opinion is, okay? Not what the literature says, but what your opinion is. You could support it with the literature, but at this point in time I've read your report, I know what literature you're relying upon.  I just want to know, okay, do you think that OR traffic increases the risk of surgical-site infections in a total hip or total knee arthroplasty?  A. It might, yes.  Q. It might A. Yeah. Q or it does? A. I don't know. It might.
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_	Q. A. Q. number correlate or "no," the ques yes-or-r Q. A. Q. A. Q.	What about Dr. Wenzel? I don't know. Okay. You don't know. I mean, I'm not sure. Okay. What about this question: Do the of bacteria in the operating room environment edirectly with the probability of SSI, "yes" according to Dr. Wenzel? MR. COREY GORDON: Object to the form of stion, incomplete hypothetical. It's not a no question. "Yes" or "no"? So the total number of bacteria in the air? I'll read it again. Yeah. Do numbers of bacteria in the operating room	14:35:37 9 14:35:39 10 14:35:42 11 14:35:44 12 14:35:46 13 14:35:50 15 14:35:56 16 14:36:03 17 14:36:07 19 14:36:07 20 14:36:07 21 14:36:08 22 14:36:09 23 14:36:11 24	I'm not I could read the studies as well.  I want to know based on your reading of the studies what Dr. Wenzel's opinion is, okay? Not what the literature says, but what your opinion is. You could support it with the literature, but at this point in time I've read your report, I know what literature you're relying upon.  I just want to know, okay, do you think that OR traffic increases the risk of surgical-site infections in a total hip or total knee arthroplasty?  A. It might, yes.  Q. It might A. Yeah. Q or it does? A. I don't know. It might. Q. Can you say that within a reasonable degree

	CC	CASE 0:15-md-02666-JNE-DTS DOC NFIDENTIAL - SUBJECT TO PROTECTIVE ORDER	<del>823-7</del>	Filed 09/12/17 Page 65 of 95 CONFIDENTIAL - SUBJECT TO PROTECTIVE ORDER
		249		251
14:36:11 1	Q.	of medical probability?	14:38:38 1	But you're not going to do a study if you
14:36:12 <b>2</b>		Yeah, I think so.	14:38:40 <b>2</b>	know the answer; correct?
14:36:13 <b>3</b>	Q.	Okay. So if that's the case, then you have	14:38:42 <b>3</b>	MR. COREY GORDON: Object to the form of
14:36:15 4	to agree	that the the OR traffic increases	14:38:42 4	the question.
14:36:20 <b>5</b>	particles	, and therefore increases the bacterial load	14:38:44 <b>5</b>	<b>Q.</b> You do a study to find out the answer.
14:36:23 6	in the op	perating room; correct?	14:38:46 <b>6</b>	A. Yeah, you do, and but you always want
14:36:25 7		MR. COREY GORDON: Object to the form of	14:38:48 7	confirmation, I think. I guess that's what I'm
14:36:26 <b>8</b>	the ques	stion.	14:38:51 <b>8</b>	saying.
14:36:26 9	A.	According to some people who've shown	14:38:51 9	Q. I understand that. But are you But
14:36:28 10	correlati	ons.	14:38:54 10	sitting here today you cannot state, with any degree
14:36:30 11	Q.	Well do you agree with that?	14:38:58 11	of medical certainty, that maintaining normothermia
14:36:32 12	A.	They'll show correlations with particles and	14:39:06 12	reduces the incident of periprosthetic joint infection
14:36:34 13	CFUs in	some studies, and I've already talked about	14:39:09 13	because that has never been looked at; correct?
14:36:37 14	those.	,	14:39:12 14	MR. COREY GORDON: Object to the form of
14:36:37 15	Q.	I'm just saying with the OR traffic.	14:39:12 15	the question.
14:36:40 16		Do you agree that the OR traffic has has	14:39:13 16	<b>A.</b> So that part is true, they haven't studied
14:36:48 17	an effect	t on surgical-site infections in total knee or	14:39:16 17	just joints in a prospective way, yes.
14:36:54 18		arthroplasty?	14:39:18 18	<b>Q.</b> So further research would be needed to
14:36:55 19	cotap	MR. COREY GORDON: Object to the form of	14:39:20 19	answer that question.
14:36:55 20	the ques	-	14:39:21 20	<b>A.</b> Further research would really help answer
14:36:55 21	٠.	It might.	14:39:24 21	it.
14:36:56 <b>22</b>	Λ.	MR. COREY GORDON: also asked and	14:39:24 21	<b>Q.</b> Okay. Are you aware that 3M never did a
14:36:56 22	answere		14:39:25 22	safety validation of the Bair Hugger device?
14:36:56 23		u. It might. Okay.	14:39:44 23	
	Q.			MR. COREY GORDON: Object to the form of
14:36:58 <b>25</b>		And it may not; correct?	14:39:49 <b>25</b>	the question, lack of foundation, assumes facts not
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	1	I-800-553-1953 info@stirewalt.com		1-800-553-1953 info@stirewalt.com
	CC	NFIDENTIAL - SUBJECT TO PROTECTIVE ORDER		CONFIDENTIAL - SUBJECT TO PROTECTIVE ORDER
4		250		CONFIDENTIAL - SUBJECT TO PROTECTIVE ORDER 252
14:36:59	A.	Yeah.	14:39:51 <b>1</b>	CONFIDENTIAL - SUBJECT TO PROTECTIVE ORDER 252 in evidence.
14:37:00 <b>2</b>	A. Q.	Yeah. Okay. So sitting here today you don't know	14:39:52 <b>2</b>	CONFIDENTIAL - SUBJECT TO PROTECTIVE ORDER 252 in evidence. A. I'm not.
14:37:00 <b>2</b> 14:37:02 <b>3</b>	A. Q. one way	Yeah. Okay. So sitting here today you don't know or the other.	14:39:52 <b>2</b> 14:39:53 <b>3</b>	CONFIDENTIAL - SUBJECT TO PROTECTIVE ORDER 252 in evidence. A. I'm not. Q. Are you aware that the Bair Hugger device
14:37:00 <b>2</b> 14:37:02 <b>3</b> 14:37:02 <b>4</b>	A. Q. one way A.	Yeah. Okay. So sitting here today you don't know or the other. Yeah.	14:39:52 <b>2</b> 14:39:53 <b>3</b> 14:39:55 <b>4</b>	CONFIDENTIAL - SUBJECT TO PROTECTIVE ORDER 252 in evidence.  A. I'm not. Q. Are you aware that the Bair Hugger device was based off a 1937 cast warmer?
14:37:00 <b>2</b> 14:37:02 <b>3</b>	A. Q. one way A.	Yeah. Okay. So sitting here today you don't know or the other. Yeah. Okay. Going on.	14:39:52 <b>2</b> 14:39:53 <b>3</b>	CONFIDENTIAL - SUBJECT TO PROTECTIVE ORDER 252 in evidence.  A. I'm not. Q. Are you aware that the Bair Hugger device was based off a 1937 cast warmer? MR. COREY GORDON: Object to the form of
14:37:00 <b>2</b> 14:37:02 <b>3</b> 14:37:02 <b>4</b>	A. Q. one way A. Q.	Yeah. Okay. So sitting here today you don't know or the other. Yeah. Okay. Going on. Do you agree that the incidence of	14:39:52 <b>2</b> 14:39:53 <b>3</b> 14:39:55 <b>4</b> 14:39:59 <b>5</b> 14:40:00 <b>6</b>	CONFIDENTIAL - SUBJECT TO PROTECTIVE ORDER 252 in evidence. A. I'm not. Q. Are you aware that the Bair Hugger device was based off a 1937 cast warmer? MR. COREY GORDON: Object to the form of the question.
14:37:00 <b>2</b> 14:37:02 <b>3</b> 14:37:02 <b>4</b> 14:37:03 <b>5</b>	A. Q. one way A. Q.	Yeah. Okay. So sitting here today you don't know or the other. Yeah. Okay. Going on.	14:39:52 <b>2</b> 14:39:53 <b>3</b> 14:39:55 <b>4</b> 14:39:59 <b>5</b>	CONFIDENTIAL - SUBJECT TO PROTECTIVE ORDER 252 in evidence. A. I'm not. Q. Are you aware that the Bair Hugger device was based off a 1937 cast warmer? MR. COREY GORDON: Object to the form of the question. A. No, I didn't know that.
14:37:00 <b>2</b> 14:37:02 <b>3</b> 14:37:02 <b>4</b> 14:37:03 <b>5</b> 14:37:25 <b>6</b>	A. Q. one way A. Q. periprositime?	Yeah. Okay. So sitting here today you don't know or the other. Yeah. Okay. Going on. Do you agree that the incidence of thetic joint infection is related to surgical	14:39:52 <b>2</b> 14:39:53 <b>3</b> 14:39:55 <b>4</b> 14:39:59 <b>5</b> 14:40:00 <b>6</b>	CONFIDENTIAL - SUBJECT TO PROTECTIVE ORDER 252 in evidence.  A. I'm not. Q. Are you aware that the Bair Hugger device was based off a 1937 cast warmer?  MR. COREY GORDON: Object to the form of the question.  A. No, I didn't know that. Q. Okay. Are you aware that the older Bair
14:37:00 <b>2</b> 14:37:02 <b>3</b> 14:37:02 <b>4</b> 14:37:03 <b>5</b> 14:37:25 <b>6</b> 14:37:36 <b>7</b>	A. Q. one way A. Q. periprositime?	Yeah. Okay. So sitting here today you don't know or the other. Yeah. Okay. Going on. Do you agree that the incidence of	14:39:52	CONFIDENTIAL - SUBJECT TO PROTECTIVE ORDER 252 in evidence. A. I'm not. Q. Are you aware that the Bair Hugger device was based off a 1937 cast warmer? MR. COREY GORDON: Object to the form of the question. A. No, I didn't know that.
14:37:00 <b>2</b> 14:37:02 <b>3</b> 14:37:02 <b>4</b> 14:37:03 <b>5</b> 14:37:25 <b>6</b> 14:37:36 <b>7</b> 14:37:39 <b>8</b>	A. Q. one way A. Q. periprostime? A. factor, y	Yeah. Okay. So sitting here today you don't know or the other. Yeah. Okay. Going on. Do you agree that the incidence of thetic joint infection is related to surgical Surgical time has been shown to be a risk es.	14:39:52	CONFIDENTIAL - SUBJECT TO PROTECTIVE ORDER 252  in evidence.  A. I'm not.  Q. Are you aware that the Bair Hugger device was based off a 1937 cast warmer?  MR. COREY GORDON: Object to the form of the question.  A. No, I didn't know that.  Q. Okay. Are you aware that the older Bair Hugger device warned for air airborne contamination?
14:37:00 <b>2</b> 14:37:02 <b>3</b> 14:37:02 <b>4</b> 14:37:03 <b>5</b> 14:37:25 <b>6</b> 14:37:39 <b>8</b> 14:37:40 <b>9</b> 14:37:43 <b>10</b> 14:37:44 <b>11</b>	A. Q. one way A. Q. periprostime? A. factor, y	Yeah. Okay. So sitting here today you don't know or the other. Yeah. Okay. Going on. Do you agree that the incidence of thetic joint infection is related to surgical Surgical time has been shown to be a risk	14:39:52	CONFIDENTIAL - SUBJECT TO PROTECTIVE ORDER 252 in evidence.  A. I'm not. Q. Are you aware that the Bair Hugger device was based off a 1937 cast warmer?  MR. COREY GORDON: Object to the form of the question.  A. No, I didn't know that. Q. Okay. Are you aware that the older Bair Hugger device warned for air airborne
14:37:00 <b>2</b> 14:37:02 <b>3</b> 14:37:02 <b>4</b> 14:37:03 <b>5</b> 14:37:25 <b>6</b> 14:37:39 <b>8</b> 14:37:40 <b>9</b> 14:37:43 <b>10</b> 14:37:44 <b>11</b>	A. Q. one way A. Q. periprostime? A. factor, y Q.	Yeah. Okay. So sitting here today you don't know or the other. Yeah. Okay. Going on. Do you agree that the incidence of thetic joint infection is related to surgical Surgical time has been shown to be a risk es.	14:39:52	CONFIDENTIAL - SUBJECT TO PROTECTIVE ORDER 252  in evidence.  A. I'm not.  Q. Are you aware that the Bair Hugger device was based off a 1937 cast warmer?  MR. COREY GORDON: Object to the form of the question.  A. No, I didn't know that.  Q. Okay. Are you aware that the older Bair Hugger device warned for air airborne contamination?
14:37:00 2 14:37:02 4 14:37:03 5 14:37:25 6 14:37:36 7 14:37:39 8 14:37:40 9 14:37:41 10	A. Q. one way A. Q. periprost time? A. factor, y Q. A.	Yeah. Okay. So sitting here today you don't know or the other. Yeah. Okay. Going on. Do you agree that the incidence of thetic joint infection is related to surgical Surgical time has been shown to be a risk es. So Dr. Wenzel agrees with that.	14:39:52	in evidence.  A. I'm not. Q. Are you aware that the Bair Hugger device was based off a 1937 cast warmer?  MR. COREY GORDON: Object to the form of the question.  A. No, I didn't know that. Q. Okay. Are you aware that the older Bair Hugger device warned for air airborne contamination?  MR. COREY GORDON: Object to the form of
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14:37:00 2 14:37:02 4 14:37:03 5 14:37:25 6 14:37:36 7 14:37:39 8 14:37:40 9 14:37:41 11 14:37:47 12 14:37:47 13 14:37:47 14 14:37:47 14 14:37:41 17 14:38:18 18 14:38:21 19 14:38:22 19 14:38:22 20 14:38:23 20 14:38:24 21 14:38:28 22 14:38:32 23 14:38:34 24	A. Q. one way A. Q. Periprositime? A. factor, y Q. A. risk factor, y Q. research hypother the questant have her never go Q.	Yeah. Okay. So sitting here today you don't know or the other. Yeah. Okay. Going on. Do you agree that the incidence of thetic joint infection is related to surgical Surgical time has been shown to be a risk es. So Dr. Wenzel agrees with that. Yeah. Okay. I have a example of that in my section on ors. Do you agree there still needs to be further with per with respect to the effects of rmia on periprosthetic joint infection? MR. COREY GORDON: Object to the form of stion. Well, you know I love data. Any more tion that would be added to what I what we re, I'm always I mean, there's never I'm oing to say, no, don't do a study.	14:39:52	in evidence.  A. I'm not. Q. Are you aware that the Bair Hugger device was based off a 1937 cast warmer?  MR. COREY GORDON: Object to the form of the question. A. No, I didn't know that. Q. Okay. Are you aware that the older Bair Hugger device warned for air airborne contamination?  MR. COREY GORDON: Object to the form of the question, assumes facts not in evidence. A. Say that again. Q. That the older version, the mod the series 200 Bair Hugger devices warned about airborne contamination?  MR. COREY GORDON: Same objections. A. And I don't know that. I don't re Q. Are you aware that competing products of the Bair Hugger, such as the Mistral, that are forced-air warming, warn about airborne contamination?  A. Don't know that either. Q. Would that influence your opinion in any way?

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	253		255
14:40:42	Q. Okay. But the	14:43:11 1	orthopedic surgery.
14:40:44 <b>2</b>	But 3M has not shown you that information;	14:43:15 2	<b>Q.</b> Are you aware that the general consensus
14:40:45 3	correct?	14:44:10 3	among orthopedic surgeons have the opinion that
14:40:46 4	A. I haven't seen that.	14:44:18 4	periprosthetic joint infections are caused by airborne
-	Q. And you love data; correct?	14:44:20 <b>5</b>	contaminants?
•	A. I do.		MR. COREY GORDON: Object to the form of
-	Q. I mean, you the more data the better for	_	
14:40:50		14:44:23 <b>/</b>	the question, lack of foundation, mischaracterizes, assumes facts not in evidence.
14:40:52	you; right?		
14:40:53	A. I like it.	14:44:26 9	A. No, I'm not aware of their general opinions.
14:40:53 10	Q. I mean, you spent over 300 hours going	14:45:33 10	MR. ASSAAD: Let's take a break.
14:40:56 11	through data; correct?	14:45:35 11	THE REPORTER: Off the record, please.
14:40:57 12	A. That's true.	14:45:37 12	(Recess taken from 2:45 to 2:55 p.m.)
14:40:57 13	Q. And if you had to do a hundred hours more	14:55:50 13	BY MR. ASSAAD:
14:41:00 14	you would do it; correct?	14:56:03 14	<b>Q.</b> One of your critiques of the McGovern study
14:41:01 15	A. I love it.	14:56:06 15	was the change in anti the prophylactic
14:41:01 16	<b>Q.</b> Love data.	14:56:13 16	anticoagulant; correct?
14:41:02 17	And if 3M gave you more data you would have	14:56:14 17	A. Yes.
14:41:08 18	reviewed it; right?	14:56:17 18	Q. Okay. Are you aware of any studies that
14:41:09 19	A. I would.	14:56:20 19	compared the two the two drugs used in McGovern for
14:41:10 <b>20</b>	<b>Q.</b> Okay. And so sitting here today do you	14:56:31 20	anticoagulation and compared with infection rates?
14:41:19 <b>21</b>	agree with me that there is some data that 3M did not	14:56:36 21	<b>A.</b> I thought that Brimmo's study actually
14:41:22 22	provide you?	14:56:41 <b>22</b>	looked at the two, Rivaroxaban versus other
14:41:22 23	MR. COREY GORDON: Object to the form of	14:56:46 23	anticoagulants.
14:41:23 <b>24</b>	the question, assumes facts not in evidence, lack of	14:56:50 <b>24</b>	Now, you know, did your question partly
14:41:26 <b>25</b>	foundation.	14:56:52 <b>25</b>	was did it go only with enoxaparin. I don't think so.
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	254		256
14:41:26	<b>A.</b> I don't know that.	14:57:00 1	I think there were options. The infection rate of
14:41:26 <b>2</b>	<b>Q.</b> Okay. Are you familiar with the	14:57:02 <b>2</b>	course was two and a half percent versus .2 percent
14:42:29 <b>3</b>	international consensus of orthopedics that discuss	14:57:06 3	or the, you know, with rivaroxaban the high number,
14:42:34 4	periprosthetic joint infections?	14:57:12 4	and the other anticoagulants .2 percent, which was
14:42:35 <b>5</b>	<b>A.</b> I don't think I know that.	14:57:16 <b>5</b>	significant.
14:42:37 6	<b>Q.</b> It was sponsored by 3M.	14:57:19 6	So independent of the McGovern study I guess
14:42:39 7	MR. COREY GORDON: Object to the form of	14:57:26 7	there were two parts of that study. I mean, Jensen's
14:42:41 8	the question, mischaracterizes the evidence.	14:57:31 8	study was separate, and he found two and a half
14:42:44 <b>9</b>	<b>A.</b> You're asking if I know that? I don't.	14:57:35	percent versus I think one percent, again with
14:42:46 10			
	Q. Okay. Do you know who Dr. Parvizi is?	14:57:42 10	rivaroxaban. And then somewhere along the line, I
14:42:49 11	<ul><li>Q. Okay. Do you know who Dr. Parvizi is?</li><li>A. I know who he is, yeah.</li></ul>	14:57:42 <b>10</b> 14:57:45 <b>11</b>	rivaroxaban. And then somewhere along the line, I think it was Albrecht who said, if you keep the
14:42:49 11	A. I know who he is, yeah.	14:57:45 11	think it was Albrecht who said, if you keep the
14:42:49 <b>11</b> 14:42:52 <b>12</b>	<ul><li>A. I know who he is, yeah.</li><li>Q. Okay. Do you know</li></ul>	14:57:45 <b>11</b> 14:57:52 <b>12</b>	think it was Albrecht who said, if you keep the antibiotics constant you get something like 4.2
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Q. A. Q. A. Q. A. Q. A. thing Q. large dom of sison terence g-relate.	Which number is this? Exhibit Number 2. I'm sorry. It's a list of documents you considered. Yeah. Remember we talked about the CDC? Yeah. Okay. And you thought it was authoritative? Are you aware that in this article it igh-quality evidence suggested no difference injectable enoxaparin and oral rivaroxaban and SI? I think I do remember that, yeah. Okay. And you're disregarding that. No, I'm not I wouldn't disregard  And this was based on no difference in SSI meta-analysis, 12,383 patients of four, controlled trials in elective primary or total hip or total knee arthroplasty, and no in hemorrhagic wound complications or ited adverse effects. Do you disagree with that or agree with  MR. COREY GORDON: What are you reading STIREWALT & ASSOCIATES -800-553-1953 info@stirewalt.com	15:00:29 2 15:00:31 3 15:00:35 4 15:00:39 6 15:00:41 7 15:00:44 8 15:00:47 9 15:00:51 10 15:00:55 12 15:00:55 12 15:00:56 14 15:01:00 15 15:01:01 16 15:01:02 17 15:01:02 18 15:01:05 19 15:01:08 20 15:01:08 20 15:01:10 21 15:01:10 21 15:01:10 21 15:01:10 21 15:01:10 21 15:01:10 21	A. Yeah. Q evidence suggested no difference between injectable enoxaparin and oral rivaroxaban and risk of SSI.  Do you agree or disagree with the CDC? A. So that's what they found, that's what they believe. I was just trying to clarify, and I don't necessarily disagree with them, I have a different interpretation based on, you know, the studies of Jensen and Brimmo. Q. What was the number of people in those populations in Jensen? A. They were They were much smaller than the thousands in this. Q. 12,383. A. Yeah. Q. Okay. A. But But again, I just want to point out, when Jensen opens up his article he said, look, we don't have a good handle on surgical-site infections. They focused on bleeding, they focused on which was a comparable or a different thromboprophylaxis from the point of view of a DVT or a pulmonary embolus. And then Borak, when he was asked similar questions, said he couldn't even find the definition that they used.  STIREWALT & ASSOCIATES 1-800-553-1953 info@stirewalt.com
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Q. A. Q. A. Q. A. thing Q. large dom of sison the erence g-relate.	It's a list of documents you considered. Yeah.  Remember we talked about the CDC? Yeah.  Okay. And you thought it was authoritative?  Are you aware that in this article it igh-quality evidence suggested no difference injectable enoxaparin and oral rivaroxaban and SI?  I think I do remember that, yeah. Okay. And you're disregarding that. No, I'm not I wouldn't disregard  And this was based on no difference in SSI meta-analysis, 12,383 patients of four, controlled trials in elective primary or total hip or total knee arthroplasty, and no in hemorrhagic wound complications or ited adverse effects.  Do you disagree with that or agree with  MR. COREY GORDON: What are you reading STIREWALT & ASSOCIATES -800-553-1953 info@stirewalt.com	15:00:35	Do you agree or disagree with the CDC?  A. So that's what they found, that's what they believe. I was just trying to clarify, and I don't necessarily disagree with them, I have a different interpretation based on, you know, the studies of Jensen and Brimmo.  Q. What was the number of people in those populations in Jensen?  A. They were They were much smaller than the thousands in this.  Q. 12,383.  A. Yeah.  Q. Okay.  A. But But again, I just want to point out, when Jensen opens up his article he said, look, we don't have a good handle on surgical-site infections. They focused on bleeding, they focused on which was a comparable or a different thromboprophylaxis from the point of view of a DVT or a pulmonary embolus. And then Borak, when he was asked similar questions, said he couldn't even find the definition that they used.  STIREWALT & ASSOCIATES  1-800-553-1953 info@stirewalt.com
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n?		15:01:29 <b>1</b>	And so it comports with the same finding that Jensen
Q.	He knows where I'm reading from.	15:01:35	said in his study, and the same for Brimmo. They both
-	So I think you're referring to the capital		think that
	or what are they called, the RECORD studies,	15:01:41 4	Q. What's Dr. Wenzel's opinion? Does Is
	Is that the reference that you're talking	15:01:44 5	there a difference in the risk of surgical-site
-	DC said that?	15:01:48 6	infection between rivaroxaban and enoxaparin?
Q.	They're referring to	15:01:51 7	MR. COREY GORDON: You're asking about
Α.	The four large studies?	15:01:52	enoxaparin,
Q.	Eriksson, Kakkar?	15:01:52	A. Yeah. Not
Α.	I think they're all part of the RECORD	15:01:52 10	MR. COREY GORDON: not tinzaparin.
dies.		15:01:52 11	<b>A.</b> Yeah.
Q.	And do you disagree with the CDC?	15:01:56 12	Q. I'm asking.
	Well I think I have to clarify that, because	15:01:56 13	<b>A.</b> Yeah. I mean, in those studies CDC is
	id a study, and he said unfortunately the	15:02:00 14	probably right.
	studies didn't do a very good job looking at	15:02:06 15	<b>Q.</b> And you're aware that the CDC put
			enoxaparin, dalteparin, tinzaparin and fondaparinux as
			one category.
			A. I didn't know, but I'm not surprised.
			Q. Because they're all the same pretty much;
			correct?
Α.	I think it needs some clarification, in that		A. I think they're
		15:02:23 <b>22</b>	MR. COREY GORDON: Object to the form of
se.	So	15:02:23 23	the question.
se.	But you disagree with their statement that	15:02:22 <b>24</b>	<b>A.</b> in the same family.
se.		15:02:24 <b>25</b>	Q. The same family.
se. <b>Q</b> .	· · · · · · · · · · · · · · · · · · ·		STIREWALT & ASSOCIATES
se. <b>Q</b> .	STIREWALT & ASSOCIATES	1	
-	Q. A. Q. A. se. Q.	<ul> <li>Q. You disagree with the CDC.</li> <li>A. I think it needs some clarification, in that it.</li> <li>ie.</li> <li>Q. So But you disagree with their statement that quality high quality</li> </ul>	npted him to do a study.  Q. So you disa  A. And Bremo  Q. You disagree with the CDC.  I think it needs some clarification, in that  ie.  15.02:18  15.02:19  19  15.02:20  20  15.02:22  21  15.02:23  22  Q. So  But you disagree with their statement that quality high quality  15.02:22  25

1 Turning to page 73 of your report. Is page 23 the entire critique, in your report, of Dr. Janvis? 3 A. Diet I write anything else; is that what 4 you're asking? 5 G. Yes 6 A. I think I don't have anything else in the 7 C. Yes 7 report. 8 Q. And would - 8 Q. And would - 9 And would you agree with me that the bottom 10 of page 73 and 74 is your entire critique of Dr. 10 of page 73 and 74 is your entire critique of Dr. 10 of page 73 and 74 is your entire critique of Dr. 10 of page 73 and 74 is your entire critique of Dr. 10 of page 73 and 74 is your entire critique of Dr. 10 of page 73 and 74 is your entire critique of Dr. 10 of page 73 and 74 is your entire critique of Dr. 10 of page 73 and 74 is your entire critique of Dr. 10 of page 73 and 74 is your entire critique of Dr. 10 of page 73 and 74 is your entire critique of Dr. 10 of page 73 and 74 is your entire critique of Dr. 10 of page 73 and 74 is your entire critique of Dr. 10 of page 73 and 74 is your entire critique of Dr. 10 of page 73 and 74 is your entire critique of Dr. 10 of page 73 and 74 is your entire critique of Dr. 11 of page 73 and 74 is your entire critique of Dr. 12 of A. Veah. 13 MR. COREY GORDON: Object to the form of 14 the question. 14 of question. 15 of the majority of the articles that you cleate element of the deal more 14 is a subject of the form of 15 of the page 73 and 74 is your entire critique of Dr. 14 of the question. 15 of the majority of the articles that you cleate element of the deal more 14 of the page 73 and 74 is your entire critique of Dr. 15 of the page 73 and 74 is your entire critique of Dr. 16 of the substance of the deal more 15 of the page 73 and 74 is your entire critique of Dr. 16 of the page 73 and 74 is your entire critique of Dr. 17 of the critique in the face 74 of the page 75 and 74 is your entire critique of Dr. 18 of the articles that you cleate of the page 75 and 74 is your entire critique of Dr. 18 of the page 75 and 74 is your entire critique of Dr. 18 of the page 75 and 74 is your entire critique of Dr		CONFIDENTIAL - SUBJECT TO PROTECTIVE ORDER	020 1	Filed 09/12/17 Page 68 of 95 CONFIDENTIAL - SUBJECT TO PROTECTIVE ORDER
Turning to page 73 or your report, is page 2 73 Me of the rotic critique, by now report, of to Pri. Javvis? A. Did I write anything else; is that what 2 7 Report.  1 Same 3 7 Peport.  1 Same 3 7 Peport.  1 Same 4 Very Same 3 9 A. I think I don't have anything else in the 2 Peport.  1 Same 3 9 A. I think I don't have anything else in the 2 Peport.  1 Same 4 Very Same 3 9 A. I think I don't have anything else in the 2 Peport.  1 Same 7 Peport.  1 Same 7 Peport.  1 And would you agree with me that the bottom 3 of page 73 and 74 is your entire critique of Dr.  2 And would you agree with me that the bottom 3 of page 73 and 74 is your entire critique of Dr.  3 A. Very Same 4 Very Same 4 Same 4 Same 4 Same 5 Same				
2 73 the entire critique, in your report, of Dr. Janvis? 3 A. Did I write anything else; is that what 3 You're asking? 5 Q. Yes 6 A. I think I don't have anything else in the 3 Teport. 5 Q. Yes 8 Q. And would — 5 And would you agree with me that the bottom 5 Samet? 6 A. Yesh. 5 And You would agree with me that the bottom 5 Samet? 7 A. Yesh. 5 Samet? 8 Q. And would — 6 A. Yesh. 6 A. I think I don't have anything else in the 7 You know, if you would agree with me that the 8 Q. And would — 7 You know, if you ask what proportion of the 7 You know, if you ask what proportion of the 8 You know, if you ask what proportion of the 9 You know, if you ask what proportion of the 9 You know, if you ask what proportion of the 9 You know, if you ask what proportion of the 9 You know, if you ask what proportion of the 9 You know, if you ask what proportion of the 9 You know, if you ask what proportion of the 9 You know, if you ask what proportion of the 10 You know, if you ask what proportion of the 11 You know, if you ask what proportion of the 12 You know, if you ask what proportion of the 13 You know, if you ask what proportion of the 14 You know, if you ask what proportion of the 15 You know, if you ask what proportion of the 16 You know, if you ask what proportion of the 17 You know, if you ask what proportion of the 18 You know, if you ask what proportion of the 18 You know, if you ask what proportion of the 18 You know, if you ask what proportion of the 18 You know, if you ask what proportion of the 18 You know, if you ask what proportion of the 18 You know, if you ask what proportion of the 18 You know, if you ask what proportion of the 18 You know, if you ask what proportion of the 18 You know, if you ask what proportion of the 18 You know, if you ask what proportion of the 18 You know, if you ask what proportion of the 18 You know, if you ask what proportion of the 18 You know, if you ask what proportion of the 18 You know, if you ask what proportion of the 18 You kn	15:02:27 1		15:05:27	
4 you're asking? 4 you're asking? 5 Q. Yes. 5 Q. Yes. 6 A. I think I don't have anything else in the 6 Proport. 6 A. I think I don't have anything else in the 6 Proport. 6 A. I think I don't have anything else in the 6 Proport. 7 Proport. 8 Q. And would you agree with me that the bottom 9 And would you agree with me that the bottom 9 And would you agree with me that the bottom 9 And would you agree with me that the bottom 9 And would you agree with me that the bottom 10 Page 73 and 74 is your entire critique of Dr. 10 Page 74 and 74 is your entire critique of Dr. 10 Page 74 and 74 is your entire critique of Dr. 10 Page 74 and 74 is your entire critique of Dr. 10 Pag	_		_	_
you're asking?  5 Q. Yes.  5 Q. Yes.  6 A. I think I don't have anything else in the report.  7 report.  7 report.  8 Q. And would	_			_
A company of the median with sur-with the superficial implications   1	4		4	·
6 A. I think I don't have anything else in the report.  4058 7 Port.  4058 8 Q. And would — And would you agree with me that the bottom of And would you agree with me that the bottom of Poage 73 and 74 is your entire critique of 0r.  4058 10 Of Samet?  50 Samet?  50 MR. COREY GORDON: Object to the form of the uses 11 MR. COREY GORDON: Object to the form of the uses 11 MR. COREY GORDON: Object to the form of the uses 11 MR. COREY GORDON: Object to the form of the uses 12 MR. COREY GORDON: Object to the form of the uses 12 MR. COREY GORDON: Object to the form of the uses 13 MR. COREY GORDON: Object to the form of the uses 14 MR. COREY GORDON: Object to the form of the uses 15 MR. COREY G	_	•		
8 Q. And would 30 And would you agree with me that the bottom 40 first hour that a patient's being warmed the patient 50 And would you agree with me that the bottom 50 first hour that a patient's being warmed the patient 51 A. Yeah. 52 II Same? 53 A. Yeah. 530 II Same? 54 A. Yeah. 550 II Same? 55 A. I think that's 56 You know, if you ask what proportion of the 56 With superficial surgical-site infections and not 57 With superficial surgical-site infections and not 58 With superficial surgical-site infections and not 58 With superficial surgical-site infections and not 58 A. Yeah. 59 A. Yeah. I haven't counted them up, but many 59 A. Yeah. 50 A. I man surgical with superficial 59 C. And even though they're both infections 50 With superficial surgical-site infections and not 50 May 19 A. Yeah. 50 C. And even though they're both infections 50 With superficial surgical-site infections and not 50 With superficial surgi	•	_		_
## 15	_			
And would you agree with me that the bottom of page 73 and 74 is your entire critique of Dr.  And Yeah.  And Y	_	• _	_	
same 1			_	
Same 12				
12 A. Yesh.  13621 13 MR. COREY GORDON: Object to the form of  14 the question.  15				
MR_COREY GORDON: Object to the form of the question.  MR_COREY GORDON: Object to the form of the unaporty of the articles that you cite deal more with superficial surjectical surjectical surjectical surjecticies unguistical-site infections and not superficial surjecticies unguistical-site infections and not superficial surjecticies unguistical-site infections and not superficial surjecticies unguistical-site infections and not surject surjections.  A Yeah. I haven't counted them up, but many of them deal with sur- with the superficial surjections.  C And even though they're both infections, the surjections are surjected as a surject surject to a surject surject surject surject surject surjections.  C And even though they're both infections, the surject sur				
the question.  Source 14  Q. Now you would agree with me, doctor, that the majority of the articles that you cite deal more as 18 periprosthetic joint infections.  A. Yesh. I haven't counted them up, but many of them deal with sure with the superficial infections.  Q. And even though they're both infections, infections.  Q. And even though they're both infections, work 20  Q. And even though they're both infections, work 21  Q. And even though they're both infections, work 22  Q. And even though they're both infections, work 23  Q. And even though they're both infections, work 24  A. Thin not sure that's correct. In other words, my own concept is the initiation of infection STREWALT & ASSOCIATES  1-800-583-1983 info@stirewalt.com  CONFIDENTIAL - SUBJECT TO PROTECTIVE ORDER 264  1 is quite similar. You have an or —an organism 265 or the wascular prosthetic device it begins to go 3 both. The organism gets to the woundy, that's the 3 include of the start of the flora; to me that's the origin in 3 both. The organism gets to the woundy that's the 3 include of	15:03:11 12	A. Yeah.		time, I don't know, but they are hypothermic for
the majority of the articles that you cite deal more with superficial surgical-site infections and not with superficial surgical-site infections and not your surgical surgical-site infections.  A. Yeah, I haven't counted them up, but many of them deal with su — with the superficial with superficial infections.  A. Yeah, I haven't counted them up, but many of them deal with su — with the superficial infections.  A. Yeah, I haven't counted them up, but many of them deal with su — with the superficial infections.  A. I'm not sure that's correct. In other words, my own concept is the initiation of infection STIREWALT & ASSOCIATES 1-800-553-1953 info@sitewattoom  CONFIDENTIAL - SUBJECT TO PROTECTIVE ORDER 262  Sould 1 is quite similar. You have an or — an organism that she origin in 3642 3 both. The organism gets to the wound; that's the 3642 4 same. And it's there at — usually at the time of 5 incision.  A. I think it's fewer bacteria to cause an 9 build up the biofilm, and that's different, vastly of 3646 11 (ap. I understand that.  But you agree one of the differences is the 3646 16 (ap. I understand that.  But you agree one of the differences is the 3646 16 (ap. I understand that.  But you agree one of the differences is the 3646 16 (ap. I understand that.  A. I think it's fewer bacteria to cause an 3646 16 (ap. I understand that.  But you agree one of the differences is the 3646 16 (ap. I understand that.  But you agree one of the differences is the 3646 16 (ap. I understand that.  But you agree one of the differences is the 3646 16 (ap. I understand that.  But you agree one of the differences is the 3646 16 (ap. I understand that.  But you agree one of the differences is the 3646 16 (ap. I understand that.  But you agree one of the differences is the 3646 16 (ap. I understand that.  But you agree one of the differences is the 3646 16 (ap. I understand that.  But you agree one of the differences is the 3646 16 (ap. I understand that.  But you do defer to Dr. Kurz with respect to the form of 4646 16 (ap. I under	15:03:12 13	MR. COREY GORDON: Object to the form of	15:06:37 13	awhile.
the majority of the articles that you cite deal more with superficial surgical-site infections and not showed 19 periprosthetic joint infections.  A. Yes.  A. Yes.  A. Yes.  A. Yes.  A. Yes.  Cokay.  Standard 19 A. Yes.  A. Yes.  A. Yes.  Cokay.  Standard 19 A. Yes.  A. Yes.  Cokay.  Standard 19 A. Yes.  A. Yes.  Cokay.  Standard 19 A. Yes.  Cokay.  Standard 20 A. And over though the superficial stretchions, there is some difference in the mechanism of cause.  A. I'm not sure that's correct. In other words, my own concept is the initiation of infection STIREWALT & ASSOCIATES  1-800-553-1953 info@stirewalt.com  STIREWALT & ASSOCIATES  1-800-553-1953 info@stirewalt.com  CONFIDENTIAL - SUBJECT TO PROTECTIVE ORDER 264  That's part of the fibra; to me that's the origin in share at usually at the time of share at share at usually at the time of share at share at usually at the time of share at share at usually at the time of share at share at usually at the time of share at share at usually at the time of share at share at usually at the time of share at share at usually at the time of share at share at usually at the time of share at share at usually at the time of share at share at usually at the time of share at share at usually at the time of share at us	15:03:13 14	the question.	15:06:37 14	<b>Q.</b> Okay. Even with forced-air warming.
Second 17   with superficial surgical-site infections and not   Second 18   Periprosthetic joint infections.   Second 18   Periprost joint join	15:03:32 15	<b>Q.</b> Now you would agree with me, doctor, that	15:06:39 15	<b>A.</b> Umm-hmm.
18 periprosthetic joint infections. 19 A. Yeah. I haven't counted them up, but many 20 of them deal with su with the superficial 22 periprosthetic joint infections. 23 periprosthetic joint infections. 24 Infections. 25 periprosthetic joint infections. 26 periprosthetic joint infections. 27 periprosthetic joint infections. 28 periprosthetic joint infections. 29 periprosthetic joint infections. 20 periprosthetic infections. 21 periprosthetic infections. 22 periprosthetic infections. 23 periprosthetic infections. 24 periprosthetic infections. 25 periprosthetic infections. 26 periprosthetic infections. 26 periprosthetic infections. 27 periprosthetic infections. 28 periprosthetic infections. 29 periprosthetic infections. 20 periprosthetic infections. 20 periprosthetic infections. 21 periprosthetic infections. 22 periprosthetic infections. 23 periprosthetic infections. 24 periprosthetic infections. 25 periprosthetic infections. 26 periprosthetic infections. 27 periprosthetic inf	15:03:36 16	the majority of the articles that you cite deal more	15:06:40 16	<b>Q.</b> Is that a "yes"?
19 A. Yeah. I haven't counted them up, but many 19 with the superficial 19 infections. 22 of them deal with su with the superficial 19 infections. 22 with the superficial 29 infections. 24 infections. 25 words, my own concept is the initiation of infection 3TIREWALT & ASSOCIATES 1-800-553-1953 info@stirewalt.com 29 words, my own concept is the initiation of infection 3TIREWALT & ASSOCIATES 1-800-553-1953 info@stirewalt.com 29 words, my own concept is the initiation of infection 3TIREWALT & ASSOCIATES 1-800-553-1953 info@stirewalt.com 29 words, my own concept is the initiation of infection 3TIREWALT & ASSOCIATES 1-800-553-1953 info@stirewalt.com 29 words, my own concept is the initiation of infection 3TIREWALT & ASSOCIATES 1-800-553-1953 info@stirewalt.com 29 words, my own concept is the initiation of infection 3TIREWALT & ASSOCIATES 1-800-553-1953 info@stirewalt.com 20 words, my own concept is the initiation of infection 3TIREWALT & ASSOCIATES 1-800-553-1953 info@stirewalt.com 20 words, my own concept is the initiation of infection 3TIREWALT & ASSOCIATES 1-800-553-1953 info@stirewalt.com 20 words, my own concept is the initiation of infection 3TIREWALT & ASSOCIATES 1-800-553-1953 info@stirewalt.com 20 words, my own concept is the initiation of infection 3TIREWALT & ASSOCIATES 1-800-553-1953 info@stirewalt.com 20 words, my own concept is the initiation of infection with forced-air warming and without 40 infected-air warming. Do you recall that testimony? 41 words 1-800-553-1953 info@stirewalt.com 20 words, my own concept is the initiation of infection with forced-air warming. Do you recall that testimony? 41 words 20 words, my own concept is the initiation of infection with forced-air warming. Do you recall that testimony? 41 words 20 words, my own concept is the interior of the question. 42 words 20 words	15:03:39 17	with superficial surgical-site infections and not	15:06:41 17	A. Yes.
20 of them deal with su with the superficial 1 infections. 2	15:03:48 18	periprosthetic joint infections.	15:06:41 18	<b>Q.</b> Okay.
21 Infections, 100000 22 Q. A. And even though they're both infections, 100000 24 A. I'm not sure that's correct. In other 100000 25 Words, my own concept is the initiation of infection STIREWALT & ASSOCIATES 1-800-553-1953 info@stirewalt.com  CONFIDENTIAL - SUBJECT TO PROTECTIVE ORDER 262 150400 3 1 is quite similar. You have an or an organism 150400 4 same. And it's there at usually at the time of 150400 5 info@stirewalt.com  CONFIDENTIAL - SUBJECT TO PROTECTIVE ORDER 262 150400 1 2 that's part of the flora; to me that's the origin in 150400 4 same. And it's there at usually at the time of 150400 7 gets on the vascular prosthetic device it begins to go 150400 1 1 OL understand that. 150400 1 O	15:03:50 19	A. Yeah. I haven't counted them up, but many	15:06:41 19	A. Sorry.
22 Q. And even though they're both infections, 19500 24 A. I'm not sure that's correct. In other words, my own concept is the initiation of infection STIREWALT & ASSOCIATES 1-800-53-1953 info@stirewalt.com  CONFIDENTIAL - SUBJECT TO PROTECTIVE ORDER 262 15 is quite similar. You have an or an organism 21 that's part of the flora; to me that's the origin in 3 both. The organism gets to the wound; that's the same. And it's there at usually at the time of 3 strickion.  After that, as I said, once the organism 3 pets on the vascular prosthetic device it begins to 90 build up the biofilm, and that's different, 20 L understand that.  But you agree one of the differences is the 3 quantity of bacteria required to cause the infection.  A. I think it's fewer bacteria to cause an 3 swell as the host can't fight it off; correct?  When you have, for example, prophylactic antibiotics 3 swell as the host can't fight it off; correct?  A. Yeah, You know, we talked about this 4 source 15 source 25 and 8. Yeah, the way that I would yeah, I would say if you can't control the microbiome you're going \$TIREWALT & ASSOCIATES 1-800-553-1953 info@stirewalt.com  CONFIDENTIAL - SUBJECT TO PROTECTIVE ORDER 262 1500-553-1953 info@stirewalt.com  CONFIDENTIAL - SUBJECT TO PROTECTIVE ORDER 264 2 50 control with forced-air warming. Do you recall that testimony?  A. No,  STIREWALT & ASSOCIATES 1-800-553-1953 info@stirewalt.com  CONFIDENTIAL - SUBJECT TO PROTECTIVE ORDER 264 4 50 control of the form of the question.  MR. COREY GORDON: Object to the form of the question of the ques	15:03:52 20	of them deal with su with the superficial	15:06:44 <b>20</b>	Q. And you recall Dr. Kurz, in her deposition,
tose 24  A. I'm not sure that's correct. In other some of infection of infection strike with part of the flora; to me that's the origin in some of the flora; to me that's the origin in some of the flora; to me that's the origin in some of the strike some of the flora; to me that's the origin in some of the strike so	15:03:54 21	infections.	15:06:48 <b>21</b>	discussing the types of infections that they were
tose 24  A. I'm not sure that's correct. In other some of infection of infection strike with part of the flora; to me that's the origin in some of the flora; to me that's the origin in some of the flora; to me that's the origin in some of the strike some of the flora; to me that's the origin in some of the strike so	15:03:55 22	Q. And even though they're both infections,	15:06:53 22	counting with respect to to calculate the incident
4 A. I'm not sure that's correct. In other words, my own concept is the initiation of infection STIREWALT & ASSOCIATES 1-800-553-1953 info@stirewalt.com  CONFIDENTIAL - SUBJECT TO PROTECTIVE ORDER 262  1 is quite similar. You have an or an organism 2 that's part of the flora; to me that's the origin in 3 both. The organism gets to the wound; that's the same. And it's there at usually at the time of 3 incision.  After that, as I said, once the organism 3 through some changes through quorum sensing, it does 4 through some changes through quorum sensing, it does 4 through some changes through quorum sensing, it does 4 through some changes through quorum sensing, it does 5 through the biofilm, and that's different, vastly 5 through the biofilm, and that's different, vastly 5 through the biofilm, and that's different, vastly 5 through the biofilm and that's different 5 through 4 through the stating 5 through the stating 5 through 4	15:04:01 23		15:06:59 23	-
sovered 25 words, my own concept is the initiation of infection STIREWALT & ASSOCIATES 1-800-553-1953 info@stirewalt.com  CONFIDENTIAL - SUBJECT TO PROTECTIVE ORDER 262  150413 1 is quite similar. You have an or an organism that's part of the flora; to me that's the origin in that's part of the flora; to me that's part of the flora; to me that's the origin in that's part of the flora; to me that's the origin in that's different.  100428 1	15:04:07 24	A. I'm not sure that's correct. In other	15:07:00 24	-
STIREWALT & ASSOCIATES  1-800-553-1953 info@estrewalt.com  1-800-553-1953 info@estrevalt.com  1-800-553-1953 info@estrewalt.com  1-800-553-1953 info@estrewa		words, my own concept is the initiation of infection		
1-800-553-1953 info@stirewalt.com  CONFIDENTIAL - SUBJECT TO PROTECTIVE ORDER 262  1008413 1 is quite similar. You have an or an organism 1008427 2 that's part of the flora; to me that's the origin in 1008428 3 both. The organism gets to the wound; that's the 1008429 6 After that, as I said, once the organism 1008429 6 After that, as I said, once the organism 1008429 7 gets on the vascular prosthetic device it begins to go 1008429 8 build up the biofilm, and that's different, vastly 1008429 10 Q. I understand that. 1008429 11 Q. I understand that. 1008429 11 Q. I understand that. 1008429 12 But you agree one of the differences is the 1008429 13 quantity of bacteria required to cause the infection. 1008429 14 A. I think it's fewer bacteria to cause an 1008429 15 infection with the prosthesis. 1008429 16 Q. And And one of the reasons is because 1008429 17 when you have, for example, prophylactic antibiotics 1008429 18 as well as the host immune system, that's much more 1008429 12 MR. COREY GORDON: Object to the form of 1008429 12 MR. COREY GORDON: Object to the form of 1008429 12 MR. COREY GORDON: Object to the form of 1008429 13 MR. COREY GORDON: Object to the form of 1008429 14 MR. COREY GORDON: Object to the form of 1008429 15 MR. COREY GORDON: Object to the form of 1008429 15 MR. COREY GORDON: Object to the form of 1008429 15 MR. COREY GORDON: Object to the form of 1008429 15 MR. COREY GORDON: Object to the form of 1008429 15 MR. COREY GORDON: Object to the form of 1008429 15 MR. COREY GORDON: Object to the form of 1008429 15 MR. COREY GORDON: Object to the form of 1008429 15 MR. COREY GORDON: Object to the form of 1008429 15 MR. COREY GORDON: Object to the form of 1008429 15 MR. COREY GORDON: Object to the form of 1008429 15 MR. COREY GORDON: Object to the form of 1008429 15 MR. COREY GORDON: Object to the form of 1008429 15 MR. COREY GORDON: Object to the form of 1008429 15 MR. COREY GORDON: Object to the form of 1008429 15 MR. COREY GORDON: Object to the form of 1008429 15 MR. COREY GORDON: Object to				
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15.04.53 14 A. I think it's fewer bacteria to cause an infection with the prosthesis.  15.04.59 16 Q. And And one of the reasons is because when you have, for example, prophylactic antibiotics as well as the host immune system, that's much more effective at eliminating or attacking the bacteria than on a device that has no vascularity and therefore the host can't fight it off; correct?  15.07.28 17 MR. COREY GORDON: Object to the form of the question.  15.07.28 17 A. Yeah. You know, we talked about this earlier where she changed her opinion, you know, through the start, so, but I yeah, in general she called that whatever she called the infection I would defer to her.  15.07.31 18 through the start, so, but I yeah, in general she called that whatever she called the infection I would defer to her.  15.07.32 21 Q. Okay. Just like when you have a question about a study, you call the author of the study and ask questions; correct?  A. Yeah, You know, we talked about this earlier where she changed her opinion, you know, through the start, so, but I yeah, in general she called that whatever she called the infection I would defer to her.  15.07.32 21 Q. Okay. Just like when you have a question ask questions; correct?  A. Yeah, You know, we talked about this earlier where she changed her opinion, you know, through the start, so, but I yeah, in general she called that whatever she called the infection I story. 20 Would defer to her.  15.07.32 21 Q. Okay. Just like when you have a question ask questions; correct?  A. Yeah, You know, we talked about this earlier where she changed her opinion, you know, through the start, so, but I yeah, in general she called that whatever she called that	15:04:38 <b>8</b> 15:04:41 <b>9</b> 15:04:45 <b>10</b> 15:04:46 <b>11</b>	gets on the vascular prosthetic device it begins to go through some changes through quorum sensing, it does build up the biofilm, and that's different, vastly different.  Q. I understand that.	15:07:16 <b>7</b> 15:07:18 <b>8</b> 15:07:19 <b>9</b> 15:07:19 <b>10</b> 15:07:19 <b>11</b>	non-clinically significant infections?  MR. COREY GORDON: Object to the form of the question, mischaracterizes  A. I don't remember that,  MR. COREY GORDON: the evidence.  A but I'd be happy to look at it again.
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the most part the person ows more about the study orrect?  espect to the oxygenation regenation by using those studies looked at s; correct?	15:10:58	Filed 09/12/17 Page 69 of 95  CONFIDENTIAL - SUBJECT TO PROTECTIVE ORDER  267  Let me ask you a question. If a patient only used warm blankets during a total hip or total knee arthroplasty, do you know whether or not the patient would become hypothermic?  A. No, I don't know that. I don't know what the  Q. So A data show. Q sitting here today, you don't know
the most part the person ows more about the study orrect?  espect to the oxygenation genation by using those studies looked at s; correct?	15:11:02	only used warm blankets during a total hip or total knee arthroplasty, do you know whether or not the patient would become hypothermic?  A. No, I don't know that. I don't know what the  Q. So A data show.
the most part the person ows more about the study orrect?  espect to the oxygenation genation by using those studies looked at s; correct?	15:11:06	knee arthroplasty, do you know whether or not the patient would become hypothermic?  A. No, I don't know that. I don't know what the  Q. So A data show.
ows more about the study orrect? espect to the oxygenation genation by using those studies looked at s; correct?	15:11:09	patient would become hypothermic?  A. No, I don't know that. I don't know what the  Q. So A data show.
ows more about the study orrect? espect to the oxygenation genation by using those studies looked at s; correct?	15:11:12	<ul><li>A. No, I don't know that. I don't know what</li><li>the</li><li>Q. So</li><li>A data show.</li></ul>
espect to the oxygenation genation by using those studies looked at s; correct?	15:11:12 <b>6</b> 15:11:12 <b>7</b> 15:11:14 <b>8</b> 15:11:16 <b>9</b> 15:11:17 <b>10</b>	the <b>Q.</b> So <b>A.</b> data show.
espect to the oxygenation genation by using those studies looked at s; correct?	15:11:12 <b>7</b> 15:11:14 <b>8</b> 15:11:16 <b>9</b> 15:11:17 <b>10</b>	<b>Q.</b> So <b>A.</b> data show.
genation by using those studies looked at s; correct?	15:11:14 <b>8</b> 15:11:16 <b>9</b> 15:11:17 <b>10</b>	A data show.
genation by using those studies looked at s; correct?	15:11:16 <b>9</b> 15:11:17 <b>10</b>	
those studies looked at s; correct?	15:11:17 10	Q sitting here today, you don't know
s; correct?		
		whether or not just using warm blankets is just as
	15:11:21 11	efficacious as the forced-air warming.
	15:11:23 12	<b>A.</b> I thought there were studies that showed it
ree with me that when	15:11:25 13	didn't work as well. Can't cite them right now, but I
deposition with respect	15:11:30 14	have read that somewhere.
did the study now and it	15:11:31 15	Q. You haven't
tion, that was speculation,	15:11:32 16	Did you ever look at the Dr. Sessler study
ct?	15:11:35 17	of 2015 that compared just blankets to forced-air
id. That's all I know.	15:11:38 18	warming?
support that; correct?	15:11:39 19	<b>A.</b> No. I don't know that one.
g this is what it would	15:11:56 20	Q. And in fact you're familiar with the study
	15:11:59 21	that looked at the data out of Hopkins that showed no
oothesis; correct?	15:12:04 <b>22</b>	reduction in periprosthetic joint infections between
	15:12:09 23	patients that had thermoregulation and patients that
y times that hypotheses are	15:12:14 <b>24</b>	didn't have thermoregulation.
	15:12:15 <b>25</b>	<b>A.</b> You're talking about the first study in
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	_	my in my chart of the cohorts?  Q. I'm not sure, but do you recall the Hopkins
do the study, correct:		study that looked at the Hopkins data?
e that she admits that the		<b>A.</b> Yeah, I think Let me just I have that
	_	in the chart of cohorts that we just looked at. Here
	_	we go. So page 8.
· ·	_	What I'm asking you, I guess, is are you
bout 30 percent reduction		referring to the study number 1 at the top? Hopkins
ON: Object to the form of	_	uses a WarmTouch forced-air warming, and that was a
=		big study, you know, 46,000 plus, it's a cohort.
		Amazing low percent that got hypothermic.
	15:12:59 12	<b>Q.</b> Is this the Brown study?
_		<b>A.</b> Forgot the name of the first author. But
•		the lead author is was an anesthesiologist I think,
		the other ones who did that.
•	15:13:32 16	<b>Q.</b> This is the Scott study; correct?
-	15:13:33 17	<b>A.</b> I think it's the Scott study. That's right,
•	15:13:35 18	yeah.
-	15:13:35 19	Q. Okay. And if you look at the Scott study
	15:13:51 <b>20</b>	Do you know what the SCIP protocols are?
•	15:13:54 21	A. Yeah. I have an idea, yeah.
•	15:13:55 <b>22</b>	Q. So for wound infection, the when a
· ·	15:14:00 23	when the patients were not com SCIP non-compliant
	15:14:04 <b>24</b>	you had 3.6 percent of wound infection, and when they
	15:14:07 <b>25</b>	were SCIP compliant they had 3.8 percent wound
=		STIREWALT & ASSOCIATES
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	did the study now and it stion, that was speculation, tot? id. That's all I know. I support that; correct? Ing this is what it would sothesis; correct? If y times that hypotheses are  SSOCIATES Distirewalt.com  ECT TO PROTECTIVE ORDER 266 Inpens. Indo the study; correct?  See that she admits that the group to be a lot less than mesis that if the study soout 30 percent reduction  ON: Object to the form of stion. Indid say is, you know, that ago or so, in the meantime, we'll just mention antiseptic. And one of es on as you look at more is on your question, is all modifiable effect you ding all things that cut awful hard to show, om that, if you have three approvements in outcome, on of infections you can rea new product. I so or?  The provision of the provision o	tion, that was speculation, ict? id. That's all I know. support that; correct? gothis is what it would southesis; correct?  y times that hypotheses are supports to the support that the

<del> 823-</del> 7	Filed 09/12/17 Page 70 of 95 CONFIDENTIAL - SUBJECT TO PROTECTIVE ORDER
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15:16:24 <b>1</b>	Q. Okay. I mean, you're right, it is
15:16:25 <b>2</b>	nonsignificant
15:16:26 3	<b>A.</b> Yeah.
	<b>Q.</b> because the p value's .7811.
_	A. Yeah. Not at all.
	<b>Q.</b> The p value's very high.
_	A. Yeah.
•	Q. So that would indicate to a scientist, such
-	as yourself, that there's no difference between
	•
	between warming and non-warming.
	A. True.
	Q. Okay.
	MR. COREY GORDON: Object to the form of
	the question.
	<b>Q.</b> Now you spent a considerable amount of time
15:17:40 16	going over comorbidities.
15:17:42 17	A. Yeah.
15:17:42 18	<b>Q.</b> Okay. Can we just agree that the
15:17:46 19	comorbidities will be case specific depending on the
15:17:49 20	patient?
15:17:50 <b>21</b>	MR. COREY GORDON: Object to the form of
15:17:51 <b>22</b>	the question.
15:17:52 23	<b>A.</b> So if you're asking can I predict the
15:17:55 24	infection rate above or below the average as a result
15:17:59 <b>25</b>	of incorporating comorbidities, yes. Is that what
	STIREWALT & ASSOCIATES
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15:18:03 <b>1</b>	you're asking?
15:18:03 2	Q. I mean, for example, you talk about diabetes
15:18:05 3	and obesity,
15:18:06 4	A. Yeah.
15:18:07 <b>5</b>	Q other things.
15:18:08 6	But you would agree with me that that
15:18:10 7	discussion might be more appropriate when we actually
15:18:12	know what patient we're talking about; correct?
	MR. COREY GORDON: Object to the form of
	the question.
	MR. ASSAAD: Basis?
	MR. COREY GORDON: Appropriate to what?
	Appropriate to his discussion of why McGovern is not
	effective? No. The word "appropriate" is is
	completely vague and meaningless.
	MR. ASSAAD: Why are you yelling to me,
	Corey?
15:18:35 18	MR. COREY GORDON: I'm not yelling. I'm
15:18:38 19	You're detecting an exasperated tone in my voice, but
15:18:43 20	I'm not yelling.
15:18:44 <b>21</b>	MR. ASSAAD: Are you picking up that stick
15:18:44 <b>21</b> 15:18:45 <b>22</b>	to hit me?
15:18:44 <b>21</b> 15:18:45 <b>22</b> 15:18:46 <b>23</b>	to hit me?  MR. COREY GORDON: Not yet.
15:18:44 <b>21</b> 15:18:45 <b>22</b> 15:18:46 <b>23</b> 15:18:47 <b>24</b>	to hit me?  MR. COREY GORDON: Not yet.  (Laughter.)
15:18:44 <b>21</b> 15:18:45 <b>22</b> 15:18:46 <b>23</b>	to hit me?  MR. COREY GORDON: Not yet.  (Laughter.)  MR. GOSS: Let me tell you, it hurts when
15:18:44 <b>21</b> 15:18:45 <b>22</b> 15:18:46 <b>23</b> 15:18:47 <b>24</b>	to hit me?  MR. COREY GORDON: Not yet.  (Laughter.)
	15:16:26

	CASE 0:15-md-02666-JNE-DTS Doc CONFIDENTIAL - SUBJECT TO PROTECTIVE ORDER	<del>. 823-7</del>	Filed 09/12/17 Page 71 of 95 CONFIDENTIAL - SUBJECT TO PROTECTIVE ORDER
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15:18:54 <b>1</b>	that thing comes down.	45.00.00 1	<b>A.</b> Increases for sure the number of people who
		15:22:30	• •
15:18:56 2	(Laughter.)	15:22:33 2	are nasal carriers of Staph aureus, and by definition
15:18:56 3	BY MR. ASSAAD:	15:22:39	those people are more susceptible to infections.
15:19:30 4	<b>Q.</b> Are you aware of articles that discuss that	15:22:41 <b>4</b>	There may be other things as well, but that's the
15:19:32 <b>5</b>	the incidence of periprosthetic joint infections are	15:22:43 <b>5</b>	study of the microbiome is pretty young still, but
15:19:34 6	going to increase over the next twenty up to 2030?	15:22:46 6	it's a remarkable thing that we have several studies
15:19:39 7	MR. COREY GORDON: Object to the form of	15:22:49 7	showing that.
15:19:40	the question.	15:22:49	Q. But you still you agree with me that the
15:19:40	<b>A.</b> Yeah, related to the increased number of	15:22:51 9	fact that
15:19:41 10	people who are undergoing the procedures, so.	15:22:54 10	You still need the bacteria to cause the
15:19:44 11	<b>Q.</b> When we talk about incidence, I'm talking	15:22:56 11	infection; correct?
			_
15:19:46 12	about the percentage.	15:22:58 12	<b>A.</b> Bacteria are necessary, not sufficient.
15:19:48 13	A. Percent?	15:23:02 13	Q. You can't have an infection without the
15:19:48 14	Q. Do you recall an article that indicated by	15:23:03 14	bacteria; correct?
15:19:51 15	2030 the the incident of periprosthetic joint	15:23:04 15	<b>A.</b> That's true.
15:19:57 16	infections will be as high as 6 percent?	15:23:05 16	<b>Q.</b> Okay. And you are just saying that a person
15:19:59 17	A. I'm not aware of that at all.	15:23:09 17	that is obese might be more likely to be a Staph
15:20:42 18	Q. You would agree with me that being diabetic	15:23:15 18	aureus carrier or an MRS carrier.
15:20:47 19	is not a cause of the infection.	15:23:18 19	A. That's for sure, and I know that person's at
15:20:51 <b>20</b>	MR. COREY GORDON: Object to the form of	15:23:20 <b>20</b>	higher risk when you look at the epidemiologic
15:20:52 <b>21</b>	the question.	15:23:24 <b>21</b>	studies, which I've cited, for getting a surgical-site
15:20:53 22	<b>A.</b> I don't agree with that at all. My view of	15:23:27 22	infection.
15:20:56 23		15:23:27 <b>22</b> 15:23:28 <b>23</b>	Q. I understand that.
	infections, surgical-site infections is that they're		•
15:21:01 24	multifactorial and the comorbidities, for example, are	15:23:28 24	But my point is that makes them more
15:21:05 <b>25</b>	a one factor that can certainly change the baseline	15:23:33 <b>25</b>	susceptible, not that I mean
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15:21:10 1	rate if you're not having those comorbidities. So I	15:23:36	The only thing I know that causes a
15:21:14 2	look at all the risk factors as, if you will, risk	15:23:38 2	periprosthetic joint infection is a bacteria; correct?
15:21:20 3	factors and causes. So if you said to me, I have	15:23:40 3	<b>A.</b> That's always there.
15:21:23 4	twins, one of them is you know, exactly the same	15:23:41 4	Q. Okay. The fact that I am someone's obese
15:21:28 <b>5</b>	genetics, same surgeon, same operation, everything the	15:23:44 <b>5</b>	is not going to spontaneously have an infection
15:21:31 6	same except one's an obese diabetic, and that patient	15:23:47	without a bacteria; correct?
_	gets an infection post-op, of course the diabetes and	_	A. Correct.
15:21:36			
15:21:41	the obesity contributed to that person's increased	15:23:49	<b>Q.</b> Okay. It is the bacteria that causes the
15:21:44 9	risk of infection.	15:23:53	infection, and it is the host that may be susceptible
15:21:47 10	Q. Doesn't that go to susceptibility?	15:23:58 10	more or less than the average human and may allow the
15:21:54 11	<b>A.</b> What I know it goes to is at least in	15:24:06 11	infection to progress.
15:21:58 12	terms of diabetes and obesity, is a change in the	15:24:07 12	MR. COREY GORDON: Object to the form of
15:22:02 13	microbiome. Is that what you mean by	15:24:08 13	the question.
15:22:05 14	"susceptibility"?	15:24:08 14	A. You and I are going to disagree. I mean, I
15:22:05 15	Q. So you think in that And Okay.	15:24:11 15	think that risk factors are, by definition, causal,
15:22:10 16	I want to make sure I understand you. You	15:24:15 16	and that's why I tried to give you the twins, one
15:22:12	think obesity and diabetes has an effect on the human	15:24:20 17	was a diabetic obese, and without that that person,
15:22:15 18	microbiome.	15:24:24 18	the twin, didn't get an infection. You're asking a
15:22:15 19	A. It does, and I've cite several studies	15:24:24 10	little bit about mechanisms, which aren't fully worked
15:22:18 20	that I've cited.	15:24:30 20	out.
15:22:19 21	Q. Okay. And therefore what type of effect;	15:24:31 21	Q. Well the one that's diabetic obese compared
15:22:25 <b>22</b>	does it increase the the number of bacteria on the	15:24:33 <b>22</b>	to the regular twin, okay, the diabetic obese still
15:22:29 <b>23</b>	skin?	15:24:51 23	would have to have a bacteria that would get into the
15:22:29 <b>24</b>	MR. COREY GORDON: Object to the form of	15:24:53 <b>24</b>	joint area during the operation to cause an infection;
15:22:30 <b>25</b>	the question.	15:24:55 <b>25</b>	correct?
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	277		279
15:24:56	A. Yeah. I mean	15:27:25 <b>1</b>	<b>A.</b> Sure.
•	Q. And the same thing with a person that's	15:27:45	Q. On the third paragraph from the bottom where
	skinny; correct?		it says: "Thus, substantial rises in comorbidities"?
	<u> </u>		
15:25:00 4	A. That's correct.	15:27:51 4	Do you see that?
15:25:00	Q. Unless, let's assume it's the same amount of	15:27:52 5	<b>A.</b> I do.
15:25:03	bacteria, say it's a thousand CFUs or 10,000 CFUs,	15:27:53	<b>Q.</b> Okay. The last sentence you say, "it has
15:25:08 7	okay? My understanding, and see if we could agree,	15:27:56 7	been reported that surgical site infection rates have
15:25:10	that the diabetic obese patient is more prone to	15:27:58	fallen over time during the use of Bair Hugger."
15:25:14	for the for the CFUs to to like more	15:28:00	Correct? I read that correctly?
15:25:20 10	likely to become infected because that person is obese	15:28:01 10	<b>A.</b> Yeah.
15:25:23 11	and a diabetic as compared to the healthy person.	15:28:02 11	Q. You're talking about superficial wound
15:25:28 12	MR. COREY GORDON: Object to the form.	15:28:04 12	infections; correct?
15:25:30 13	Q. Do you understand what I'm saying?	15:28:05 13	A. They're probably mixed.
15:25:31 14	A. Not really, no.	15:28:07 14	Q. Well we just said there was no study on
15:25:36 15	Q. Okay. You still need the bacteria to land	15:28:09 15	periprosthetic joint infections.
15:25:37 16	on the the diabetic and obese person; correct?	15:28:10 16	MR. COREY GORDON: Object to the form of
15:25:42 17	A. Correct.	15:28:10 17	the question.
	_		·
15:25:42 18	<b>Q.</b> If no bacteria lands on the joint during the	15:28:14 18	A. Yeah. I don't know that they didn't count
15:25:44 19	operation of a diabetic obese patient, that patient,	15:28:21 19	I mean CDC has rates for hips and
15:25:49 <b>20</b>	more likely than not, is not going to have an	15:28:21 <b>20</b>	(Interruption by the reporter.)
15:25:50 <b>21</b>	infection; correct?	15:28:25 <b>21</b>	<b>A.</b> has rates of infection for total hip
15:25:51 <b>22</b>	<b>A.</b> Yes.	15:28:28 <b>22</b>	placement, total knee replacement from their national
15:25:51 23	MR. COREY GORDON: Object to the form of	15:28:31 23	cohort. And what I cited in the report was if you
15:25:52 <b>24</b>	the question.	15:28:35 <b>24</b>	look at the trends over time, and they corrected for
15:25:53 <b>25</b>	Q. Correct?	15:28:39 <b>25</b>	some of the comorbidities the best they could, they've
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15:25:54	A. Yes.	15:28:42	actually shown a decline, something like 27 to 43
15:25:54	Q. And in fact it would be impossible, without	15:28:45 2	percent depending on one's hips, one's knees.
15:25:56 3	bacteria, for that person to have an infection;	15:28:49 3	Q. Are you aware of the the Parvizi studies
15:25:58 4	correct?	15:28:53 4	regarding the economic burden of periprosthetic joint
15:25:58 <b>5</b>	A. Need the bacteria.	15:28:55 <b>5</b>	infections?
•	Q. Huh?		A. I think so. I don't remember exactly what
-	A. Need the bacteria.	_	
15:26:00		_	number he came up with, but.
15:26:01	Q. You need the bacteria.	15:29:01	Q. Well you know that Dr. Parvizi has looked at
15:26:02	Whether or not you are obese, diabetic,	15:29:04	this issue; correct?
15:26:05 10	immunosuppressed and whatever type of comorbidity	15:29:05 10	A. Yeah.
15:26:10 11	there is, you need the bacteria.	15:29:05 11	MR. COREY GORDON: Object to the form of
15:26:11 12	A. Yes.	15:29:07 12	the question.
15:26:12 13	<b>Q.</b> Okay. You could be immunosuppressed and go	15:29:07 13	MR. ASSAAD: Basis?
15:26:29 14	through a total hip and total knee arthroplasty, and	15:29:08 14	MR. COREY GORDON: What is "this issue"?
15:26:32 15	as long as no bacteria lands in the joint area you're	15:29:10 15	You've just You've had a whole line of questions
15:26:34 16	not going to get an infection; correct?	15:29:12 16	where you're asking him about the trends, and then
15:26:36 17	A. I think that's true.	15:29:13 17	you switch gears and then you say he's Parvizi has
15:26:38 18	<b>Q.</b> Same thing with a diabetic; correct?	15:29:18 18	looked at "this issue."
	_		
	_		_
	_		
	•		
15:26:47 <b>25</b>		15:29:31 <b>25</b>	
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15:26:38 18 15:26:40 19 15:26:41 20 15:26:42 21 15:26:43 22 15:26:45 23 15:26:46 24 15:26:47 25	<ul> <li>A. Yes.</li> <li>Q. Same thing with an obese person; correct?</li> <li>A. Yes.</li> <li>Q. Okay. You need the bacteria to get to the joint; correct?</li> <li>A. You do.</li> <li>Q. Okay. Go to page 13.  STIREWALT &amp; ASSOCIATES  1-800-553-1953 info@stirewalt.com</li> </ul>	15:29:21 19 15:29:25 20 15:29:27 21 15:29:29 22 15:29:29 23 15:29:30 24	BY MR. ASSAAD:  Q. Doctor, you knew what I was talking about when I said "this issue"; correct?  A. I did.  MR. COREY GORDON: Object to the form of the question, lack of foundation.  Q. We were talking about infection rates;  STIREWALT & ASSOCIATES  1-800-553-1953 info@stirewalt.com

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	281		283
15:29:33	correct?	15:32:30 1	<b>A.</b> My estimate is probably one percent or so.
15:29:34 <b>2</b>	<b>A.</b> Yes.	15:32:33 <b>2</b>	<b>Q.</b> Okay. So if that's the case, and I think
15:29:34 <b>3</b>	Q. And Dr. Parvizi has looked at infection	15:32:36 3	that might be acceptable, Rasouli is only showing .2
15:29:37 4	rates over time.	15:32:42 4	percent infection rates for primary hip or primary
15:29:37 <b>5</b>	<b>A.</b> And he showed, yeah, a fall.	15:32:45 <b>5</b>	knee. That sounds very low; doesn't it?
15:29:40 6	Q. You believe he saw he's seen a fall?	15:32:47 <b>6</b>	A. It does seem
15:29:42 7	<b>A.</b> That's what he said.	15:32:48 7	MR. COREY GORDON: Object to the form of
15:29:43	<b>Q.</b> When did he say this?	15:32:49	the question.
15:29:44 <b>9</b>	<b>A.</b> In a paper.	15:32:49	Q. That seems very low, doesn't it, sir?
15:29:45 10	<b>Q.</b> Okay.	15:32:51 10	A. It seems low.
15:29:46 11	<b>A.</b> Can we pull it out?	15:32:52 11	<b>Q.</b> Okay. Would that cause you any concern to
15:29:48 12	<b>Q.</b> Are you familiar with a paper titled	15:32:54 12	see what to check to see how he calculated his
15:30:02 13	Economic Burden of Periprosthetic Joint Infections in	15:32:55 13	infection rate?
15:30:05 14	the United States, authored by Steven Kurtz, Evan Lau,	15:32:56 14	A. It's one paper.
15:30:10 15	Heather Watson, Jordan Schmier and Javad Parvizi?	15:32:57 15	<b>Q.</b> Okay. And there's two papers by Dr. Parvizi
15:30:15 16	<b>A.</b> I don't think I I don't remember it.	15:33:00 16	that you have not looked at; correct?
15:30:17 17	That's I may have read it, I don't remember.	15:33:03 17	MR. COREY GORDON: Object to the form of
15:30:19 18	Q. Published in 2011?	15:33:03 18	the question.
15:30:20 19	<b>A.</b> Yeah, I don't remember it.	15:33:04 19	<b>A.</b> Don't remember which ones I didn't look at.
15:30:23 <b>20</b>	<b>Q.</b> I'm sorry. 2012.	15:33:06 <b>20</b>	Are they the ones you were talking about earlier?
15:30:27 <b>21</b>	<b>A.</b> I don't remember it.	15:33:07 <b>21</b>	<b>Q.</b> Yes.
15:30:40 <b>22</b>	<b>Q.</b> What Parvizi article are you referring to	15:33:07 <b>22</b>	<b>A.</b> Yeah.
15:30:43 23	that says he reduced reduction of infection?	15:33:07 23	Q. The economic burden ones.
15:30:46 <b>24</b>	<b>A.</b> Let me see if I can find it. (Witness	15:33:09 24	A. Yeah, I don't remember that.
15:30:56 <b>25</b>	reviewing exhibit.) Oh, I was thinking it's the	15:33:10 <b>25</b>	Q. Okay. You also have an opinion that the
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15:30:59 1	282 Rasouli paper, but I was thinking he was a co-author.	15:34:24	284 number of health professionals in an operating room
15:31:03 2	282 Rasouli paper, but I was thinking he was a co-author.  Q. What page are you looking at, sir?	15:34:27 <b>2</b>	284 number of health professionals in an operating room had no significant influence on bacterial counts in
15:31:03 <b>2</b> 15:31:05 <b>3</b>	Rasouli paper, but I was thinking he was a co-author.  Q. What page are you looking at, sir?  A. So page 13.	15:34:27 <b>2</b> 15:34:30 <b>3</b>	284 number of health professionals in an operating room had no significant influence on bacterial counts in the operating room; correct?
15:31:03 <b>2</b> 15:31:05 <b>3</b> 15:31:06 <b>4</b>	Rasouli paper, but I was thinking he was a co-author.  Q. What page are you looking at, sir?  A. So page 13.  Q. What paragraph?	15:34:27 <b>2</b> 15:34:30 <b>3</b> 15:34:32 <b>4</b>	number of health professionals in an operating room had no significant influence on bacterial counts in the operating room; correct?  A. What page you looking at?
15:31:03 <b>2</b> 15:31:05 <b>3</b> 15:31:06 <b>4</b> 15:31:08 <b>5</b>	Rasouli paper, but I was thinking he was a co-author.  Q. What page are you looking at, sir?  A. So page 13.  Q. What paragraph?  A. It's Roman numeral vi. And if Parvizi	15:34:27 <b>2</b> 15:34:30 <b>3</b> 15:34:32 <b>4</b> 15:34:33 <b>5</b>	number of health professionals in an operating room had no significant influence on bacterial counts in the operating room; correct?  A. What page you looking at? Q. 16.
15:31:03 <b>2</b> 15:31:05 <b>3</b> 15:31:06 <b>4</b> 15:31:08 <b>5</b> 15:31:24 <b>6</b>	Rasouli paper, but I was thinking he was a co-author.  Q. What page are you looking at, sir?  A. So page 13. Q. What paragraph? A. It's Roman numeral vi. And if Parvizi wasn't part of that study then that's my mistake, but	15:34:27 <b>2</b> 15:34:30 <b>3</b> 15:34:32 <b>4</b> 15:34:33 <b>5</b> 15:34:39 <b>6</b>	number of health professionals in an operating room had no significant influence on bacterial counts in the operating room; correct?  A. What page you looking at? Q. 16. A. Sixteen?
15:31:03 <b>2</b> 15:31:05 <b>3</b> 15:31:06 <b>4</b> 15:31:08 <b>5</b> 15:31:24 <b>6</b> 15:31:29 <b>7</b>	Rasouli paper, but I was thinking he was a co-author.  Q. What page are you looking at, sir?  A. So page 13. Q. What paragraph? A. It's Roman numeral vi. And if Parvizi wasn't part of that study then that's my mistake, but Rasouli is actually the first author.	15:34:27 <b>2</b> 15:34:30 <b>3</b> 15:34:32 <b>4</b> 15:34:33 <b>5</b> 15:34:39 <b>6</b> 15:34:40 <b>7</b>	number of health professionals in an operating room had no significant influence on bacterial counts in the operating room; correct?  A. What page you looking at? Q. 16. A. Sixteen? Q. Yeah.
15:31:03 <b>2</b> 15:31:05 <b>3</b> 15:31:06 <b>4</b> 15:31:08 <b>5</b> 15:31:24 <b>6</b> 15:31:29 <b>7</b> 15:31:41 <b>8</b>	Rasouli paper, but I was thinking he was a co-author.  Q. What page are you looking at, sir?  A. So page 13. Q. What paragraph? A. It's Roman numeral vi. And if Parvizi wasn't part of that study then that's my mistake, but Rasouli is actually the first author.  Q. Mohammad Rasouli?	15:34:27 <b>2</b> 15:34:30 <b>3</b> 15:34:32 <b>4</b> 15:34:33 <b>5</b> 15:34:39 <b>6</b> 15:34:40 <b>7</b> 15:34:42 <b>8</b>	number of health professionals in an operating room had no significant influence on bacterial counts in the operating room; correct?  A. What page you looking at? Q. 16. A. Sixteen? Q. Yeah. A. Under "Summary"?
15:31:03 <b>2</b> 15:31:05 <b>3</b> 15:31:06 <b>4</b> 15:31:08 <b>5</b> 15:31:24 <b>6</b> 15:31:29 <b>7</b> 15:31:41 <b>8</b> 15:31:43 <b>9</b>	Rasouli paper, but I was thinking he was a co-author.  Q. What page are you looking at, sir?  A. So page 13. Q. What paragraph? A. It's Roman numeral vi. And if Parvizi wasn't part of that study then that's my mistake, but Rasouli is actually the first author.  Q. Mohammad Rasouli? A. I think that's right.	15:34:27 <b>2</b> 15:34:30 <b>3</b> 15:34:32 <b>4</b> 15:34:33 <b>5</b> 15:34:39 <b>6</b> 15:34:40 <b>7</b> 15:34:42 <b>8</b> 15:34:47 <b>9</b>	number of health professionals in an operating room had no significant influence on bacterial counts in the operating room; correct?  A. What page you looking at? Q. 16. A. Sixteen? Q. Yeah. A. Under "Summary"? Q. I'm sorry. I'm looking at something else.
15:31:03	Rasouli paper, but I was thinking he was a co-author.  Q. What page are you looking at, sir?  A. So page 13. Q. What paragraph? A. It's Roman numeral vi. And if Parvizi wasn't part of that study then that's my mistake, but Rasouli is actually the first author.  Q. Mohammad Rasouli? A. I think that's right. Q. Okay. Did you look at what ICD-9 codes they	15:34:27 <b>2</b> 15:34:30 <b>3</b> 15:34:32 <b>4</b> 15:34:33 <b>5</b> 15:34:39 <b>6</b> 15:34:40 <b>7</b> 15:34:42 <b>8</b> 15:34:47 <b>9</b> 15:34:48 <b>10</b>	number of health professionals in an operating room had no significant influence on bacterial counts in the operating room; correct?  A. What page you looking at? Q. 16. A. Sixteen? Q. Yeah. A. Under "Summary"? Q. I'm sorry. I'm looking at something else. I apologize. Withdraw the question.
15:31:03 <b>2</b> 15:31:05 <b>3</b> 15:31:06 <b>4</b> 15:31:08 <b>5</b> 15:31:24 <b>6</b> 15:31:29 <b>7</b> 15:31:41 <b>8</b> 15:31:43 <b>9</b>	Rasouli paper, but I was thinking he was a co-author.  Q. What page are you looking at, sir?  A. So page 13. Q. What paragraph? A. It's Roman numeral vi. And if Parvizi wasn't part of that study then that's my mistake, but Rasouli is actually the first author. Q. Mohammad Rasouli? A. I think that's right. Q. Okay. Did you look at what ICD-9 codes they looked at in formulating this opinion?	15:34:27 <b>2</b> 15:34:30 <b>3</b> 15:34:32 <b>4</b> 15:34:33 <b>5</b> 15:34:39 <b>6</b> 15:34:40 <b>7</b> 15:34:42 <b>8</b> 15:34:47 <b>9</b>	number of health professionals in an operating room had no significant influence on bacterial counts in the operating room; correct?  A. What page you looking at? Q. 16. A. Sixteen? Q. Yeah. A. Under "Summary"? Q. I'm sorry. I'm looking at something else.
15:31:03	Rasouli paper, but I was thinking he was a co-author.  Q. What page are you looking at, sir?  A. So page 13. Q. What paragraph? A. It's Roman numeral vi. And if Parvizi wasn't part of that study then that's my mistake, but Rasouli is actually the first author. Q. Mohammad Rasouli? A. I think that's right. Q. Okay. Did you look at what ICD-9 codes they looked at in formulating this opinion? A. I saw them, but I don't memorize those or	15:34:27	number of health professionals in an operating room had no significant influence on bacterial counts in the operating room; correct?  A. What page you looking at? Q. 16. A. Sixteen? Q. Yeah. A. Under "Summary"? Q. I'm sorry. I'm looking at something else. I apologize. Withdraw the question. Okay. Let's go to page 19. A. Yeah.
15:31:03	Rasouli paper, but I was thinking he was a co-author.  Q. What page are you looking at, sir?  A. So page 13. Q. What paragraph? A. It's Roman numeral vi. And if Parvizi wasn't part of that study then that's my mistake, but Rasouli is actually the first author. Q. Mohammad Rasouli? A. I think that's right. Q. Okay. Did you look at what ICD-9 codes they looked at in formulating this opinion?  A. I saw them, but I don't memorize those or anything, yeah.	15:34:27	number of health professionals in an operating room had no significant influence on bacterial counts in the operating room; correct?  A. What page you looking at? Q. 16. A. Sixteen? Q. Yeah. A. Under "Summary"? Q. I'm sorry. I'm looking at something else. I apologize. Withdraw the question. Okay. Let's go to page 19. A. Yeah. Q. This talks about your hierarchy of Bair
15:31:03	Rasouli paper, but I was thinking he was a co-author.  Q. What page are you looking at, sir?  A. So page 13. Q. What paragraph? A. It's Roman numeral vi. And if Parvizi wasn't part of that study then that's my mistake, but Rasouli is actually the first author. Q. Mohammad Rasouli? A. I think that's right. Q. Okay. Did you look at what ICD-9 codes they looked at in formulating this opinion? A. I saw them, but I don't memorize those or anything, yeah. Q. Okay. You could look them up, though;	15:34:27	number of health professionals in an operating room had no significant influence on bacterial counts in the operating room; correct?  A. What page you looking at?  Q. 16. A. Sixteen? Q. Yeah. A. Under "Summary"? Q. I'm sorry. I'm looking at something else. I apologize. Withdraw the question. Okay. Let's go to page 19. A. Yeah. Q. This talks about your hierarchy of Bair Hugger studies; correct?
15:31:03	Rasouli paper, but I was thinking he was a co-author.  Q. What page are you looking at, sir?  A. So page 13. Q. What paragraph?  A. It's Roman numeral vi. And if Parvizi wasn't part of that study then that's my mistake, but Rasouli is actually the first author.  Q. Mohammad Rasouli?  A. I think that's right. Q. Okay. Did you look at what ICD-9 codes they looked at in formulating this opinion?  A. I saw them, but I don't memorize those or anything, yeah.  Q. Okay. You could look them up, though; correct?	15:34:27	number of health professionals in an operating room had no significant influence on bacterial counts in the operating room; correct?  A. What page you looking at?  Q. 16. A. Sixteen? Q. Yeah. A. Under "Summary"? Q. I'm sorry. I'm looking at something else. I apologize. Withdraw the question. Okay. Let's go to page 19. A. Yeah. Q. This talks about your hierarchy of Bair Hugger studies; correct? A. Sure.
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	CASE 0:15-md-02666-JNE-DTS Doc CONFIDENTIAL - SUBJECT TO PROTECTIVE ORDER	<del>823-7</del>	Filed 09/12/17 Page 74 of 95 CONFIDENTIAL - SUBJECT TO PROTECTIVE ORDER
	285		287
15:35:50	correct?	15:37:53	<b>A.</b> Yeah. I have a table on that somewhere that
15:35:50 2	<b>A.</b> Yeah.	15:37:55 <b>2</b>	might make it easier. Maybe it was earlier. (Witness
15:35:50 3	<b>Q.</b> And the Melling was pre-warming; correct?	15:38:05	reviewing exhibit.) Here we go.
15:35:52	<b>A.</b> That's correct.	15:38:08 4	<b>Q.</b> On page 14?
15:35:53 <b>5</b>	Q. So whether or not I mean we're not	15:38:09 <b>5</b>	<b>A.</b> Page 14 and 15, yeah.
15:35:56 6	looking at pre-warming here, we're looking at	15:38:11 6	MR. COREY GORDON: 14 to 15, partly. Oguz
15:36:01 7	perioperative warming. You understand that; correct?	15:38:18 7	isn't in that table, you discuss that elsewhere.
15:36:04	<b>A.</b> I do, and I've cited the paper that says	15:38:23	MR. ASSAAD: Do you want to testify some
15:36:07	warming and pre-warming might last up to a couple of	15:38:25	more, Mr Mr. Gordon?
15:36:09 10	hours.	15:38:26 10	MR. COREY GORDON: I'm just trying to
15:36:10 11	Q. But we're talking about	15:38:28 11	Q. So doctor doctor
15:36:11 12	Do you understand plaintiffs' allegations	15:38:30 12	MR. COREY GORDON: Go back to 20 and have
15:36:11	that the Bair Hugger increases the bacterial load over	15:38:31 13	him talk about it from there rather than the table.
15:36:12 13	the surgical site?	15:38:31 13	BY MR. ASSAAD:
15:36:19 15		15:38:36 14	
	<b>A.</b> What I remember that you asked me the hypothesis that I thought they had was that it created		<b>Q.</b> Doctor, do you know what device was used in the Zink study, which Bair Hugger device?
15:36:21 <b>16</b> 15:36:25 <b>17</b>		15:38:39 16	<b>A.</b> I don't No. Don't remember.
	a kind of a dust storm from the floor that came up	15:38:42 17	
15:36:28 18	over the surgical site, yes.  Q. Well let's Yeah. So So there has to	15:38:43 18	<b>Q.</b> So you don't know what what the airflow of that device was?
15:36:30 19		15:38:45 19	_
15:36:33 20	be a surgical site; correct?	15:38:46 20	A. No.
15:36:35 21	A. Yeah.	15:38:46 21	Q. Okay. Don't you think it'd be relevant to
15:36:36 22	Q. Okay. There's no surgical site or wound	15:38:49 22	determine whether that study applies to the device
15:36:38 23	during pre-warming; correct?	15:38:51 23	that's being used in this litiga being in this
15:36:40 24	A. That's true.	15:38:54 24	litigation?
15:36:41 <b>25</b>	Q. So with respect to whether or not the Bair	15:38:55 <b>25</b>	A. Told you I don't know what device they had
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	CONFIDENTIAL - SUBJECT TO PROTECTIVE ORDER 286		CONFIDENTIAL - SUBJECT TO PROTECTIVE ORDER 288
15:36:43 <b>1</b>	Hugger increases the risk of surgical-site infection,	15:38:56 1	there.
15:36:46 2	you have to look at studies that deal with the Bair	15:38:56 2	<b>Q.</b> That wasn't my question, sir.
15:36:49 3	Hugger being used during perioperative warming;	15:38:56 3	A. Yeah.
4	correct?	15:38:58 4	Q. Don't you think knowing what device was
15:36:52 <b>4</b> 15:36:53 <b>5</b>	<b>A.</b> What I would say is if you have pre-warming	15:38:59 <b>5</b>	studied is relevant to determine whether that article
15:36:57	and the body stays warm and you avoid all the	15:39:02 6	is relevant to the device that's being used in this
15:37:00 7	vasoconstriction that cooling does, that's a good	15:39:06 7	litigation?
15:37:00	thing. Is that So maybe I'm not getting close	15:39:07	A. Could
15:37:05	enough here.	15:39:07	MR. COREY GORDON: Object to the form of
15:37:07 10	<b>Q.</b> Well plaintiffs' allegation for just keep	15:39:07	the question.
15:37:10 11	it simple. The Bair Hugger is being used and it	15:39:08 11	A. Yeah, it might be. I don't know.
15:37:10 11	causes increased bacteria over the wound.	15:39:08 11	Q. It may be; right?
15:37:18 13	A. Umm-hmm.	15:39:10 12	A. Yeah. Yeah. Might be.
15:37:18 13	Q. Okay? You understand that.	15:39:11 13	Q. And you don't know today what device was
15:37:18 14	A. Yeah.	15:39:12 14	used; do you?
15:37:19 15	Q. Okay. Melling doesn't deal with	15:39:14 15	A. Yeah, I don't.
15:37:20 <b>16</b> 15:37:23 <b>17</b>	perioperative warming; correct?	15:39:15 17	Q. Okay. The Hall The Hall is a poster;
15:37:23 <b>17</b> 15:37:25 <b>18</b>	<b>A.</b> He deals with pre-warming.	15:39:15 17	correct? A.C. Hall?
15:37:25 <b>10</b> 15:37:26 <b>19</b>	Q. Okay. So that's a different situation of	15:39:17 10	A. It was.
15:37:26 <b>19</b> 15:37:29 <b>20</b>	what plaintiffs' allegations are in this case.	15:39:18 19	Q. It's not peer reviewed; correct?
15:37:29 <b>20</b> 15:37:32 <b>21</b>		15:39:19 <b>20</b> 15:39:21 <b>21</b>	
15:37:32 <b>21</b> 15:37:36 <b>22</b>	<b>A.</b> Might be technically. I was just trying to	15:39:21 <b>21</b> 15:39:25 <b>22</b>	A. I'm not sure it wasn't peer reviewed, but it
	say that the physiology is the same, that's all.		wasn't a peer-reviewed full article.
15:37:42 23	Q. Have you looked at the stu all the	15:39:28 23	Q. Okay. Well
15:37:48 24	studies under the Biological Plausibility Studies on	15:39:28 24	(Interruption by the reporter.)
15:37:52 <b>25</b>	page 20?	15:39:29 <b>25</b>	Q. And that was in 1991; correct? December 9th
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15:43:40 <b>1</b>	MR. COREY GORDON: Object to the form of	15:45:14	A. It's what?
_	the question.		Q. That dealt with surgical drapes.
	·		_
15:43:40	Q. Why is that, sir?	15:45:17	A. Yes.
15:43:41 <b>4</b>	MR. COREY GORDON: Object to the form of	15:45:19 4	Q. Okay. Did you read the letter to the editor
15:43:43	the question.	15:45:20 <b>5</b>	by Farhad Memarzadeh in the Moretti case?
15:43:44 6	<b>A.</b> I'm very happy to talk about this, you know,	15:45:24	<b>A.</b> No.
15:43:46 7	but.	15:45:32 7	Q. Any criticism of Avidan besides it's it's
15:43:47 8	<b>Q.</b> We can talk about it all you want, but I'm	15:45:35	a small study?
15:43:49	saying why in your report you did not criticize or	15:45:42 9	<b>A.</b> Well, I mean, one of the things you would
15:43:52 10	discuss any of the weaknesses in the studies that 3M	15:45:44 10	say is when the plates were directly in the airstream
15:43:55 11	rely upon.	15:45:48 11	16 be inches below the end of the hose you could
15:43:56 12	MR. COREY GORDON: Object to the form of	15:45:51 12	argue that you're not really sure what was coming out
15:43:57 13	the question.	15:45:56 13	was from only the hose or the air below. That would
15:43:57 14	<b>A.</b> Yeah, I I think I took these studies,	15:45:58 14	be one criticism.
15:44:00 15	this is what I found, and collectively they showed	15:46:00 15	Q. Okay. You didn't put that in your report;
15:44:03 16	nothing in terms of colony-forming units increasing as	15:46:02 16	did you?
			, _
15:44:08 17	a result of the Bair Hugger.	15:46:02 17	A. No, I didn't.
15:44:09 18	Q. But you would criticize Zink, Hall, Huang,	15:46:05 18	Q. Okay. You cite to the Oguz study; correct?
15:44:14 19	Dirkes, and Moretti as being underpowered, wouldn't	15:46:26 19	O-G-U-Z.
15:44:17 <b>20</b>	you?	15:46:26 <b>20</b>	A. Yes. Yes.
15:44:17 <b>21</b>	<b>A.</b> So these are small studies, that's true.	15:46:28 <b>21</b>	Q. Any criticism of that study?
15:44:19 22	That's the best data we have.	15:46:29 <b>22</b>	<b>A.</b> It was pretty good. He randomized people,
15:44:21 23	<b>Q.</b> Did you criticize them at all and say	15:46:32 23	there were 80 orthopedic patients, and he looked at
15:44:23 24	they're underpowered in the paper?	15:46:37 <b>24</b>	the influence of either device on the CFUs and found
15:44:24 <b>25</b>	A. I didn't do that.	15:46:42 <b>25</b>	none.
	STIREWALT & ASSOCIATES		STIREWALT & ASSOCIATES
	1-800-553-1953 info@stirewalt.com		1-800-553-1953 info@stirewalt.com
	CONFIDENTIAL - SUBJECT TO PROTECTIVE ORDER		CONFIDENTIAL - SUBJECT TO PROTECTIVE ORDER
	294		296
15:44:25 <b>1</b>	Q. That's not being objective, sir, is it?	15:46:49	Q. "Found none"?
15:44:27 <b>2</b>	A. I think I	15:46:50 2	<b>A.</b> Huh?
15:44:27	MR. COREY GORDON: Object to the form of	15:46:50 3	Q. "Found none"?
15:44:28 4	the question.	15:46:51 4	A. No influence.
15:44:28 <b>5</b>	<b>Q.</b> That's not being objective, sir, is it?	15:46:52 <b>5</b>	Q. So you wouldn't agree with me that if you
	A. I think I'm fine with this.		
15:44:29		45.40.54	looked at the comparison between the Bair Hugger and
l		15:46:54 6	looked at the comparison between the Bair Hugger and
15:44:31 7	<b>Q.</b> Oh, you're fine with that, okay.	15:46:56 7	the HotDog in the Oguz study that there was an
15:44:32	<ul><li>Q. Oh, you're fine with that, okay.</li><li>A. Yeah.</li></ul>	15:46:56 <b>7</b> 15:47:00 <b>8</b>	the HotDog in the Oguz study that there was an increase in bacterial load using the Bair Hugger over
15:44:32 <b>8</b> 15:44:33 <b>9</b>	<ul><li>Q. Oh, you're fine with that, okay.</li><li>A. Yeah.</li><li>Q. That wasn't my question.</li></ul>	15:46:56 <b>7</b> 15:47:00 <b>8</b> 15:47:02 <b>9</b>	the HotDog in the Oguz study that there was an increase in bacterial load using the Bair Hugger over the HotDog?
15:44:32 <b>8</b> 15:44:33 <b>9</b> 15:44:33 <b>10</b>	<ul><li>Q. Oh, you're fine with that, okay.</li><li>A. Yeah.</li><li>Q. That wasn't my question. Is that being objective?</li></ul>	15:46:56 <b>7</b> 15:47:00 <b>8</b> 15:47:02 <b>9</b> 15:47:03 <b>10</b>	the HotDog in the Oguz study that there was an increase in bacterial load using the Bair Hugger over the HotDog?  MR. COREY GORDON: Object to the form of
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15:44:32 <b>8</b> 15:44:33 <b>9</b> 15:44:33 <b>10</b> 15:44:34 <b>11</b> 15:44:36 <b>12</b>	<ul> <li>Q. Oh, you're fine with that, okay.</li> <li>A. Yeah.</li> <li>Q. That wasn't my question. Is that being objective? MR. COREY GORDON: Object to the form of the question. Move to strike counsel's snide</li> </ul>	15:46:56 <b>7</b> 15:47:00 <b>8</b> 15:47:02 <b>9</b> 15:47:03 <b>10</b> 15:47:05 <b>11</b> 15:47:07 <b>12</b>	the HotDog in the Oguz study that there was an increase in bacterial load using the Bair Hugger over the HotDog?  MR. COREY GORDON: Object to the form of the question, mischaracterizes the evidence.  A. I mean, what he found at the end using his
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	CONFIDENTIAL - SUBJECT TO PROTECTIVE ORDER 297		CONFIDENTIAL - SUBJECT TO PROTECTIVE ORDER
15:47:59 <b>1</b>	And it's underlined by Dr. Oguz; is that	15:50:16 <b>1</b>	A. Yeah. Yeah.
15:48:02	correct?	15:50:16 2	_
15:48:02	<b>A.</b> Underlined by me?	15:50:16 2	3
15:48:04 <b>4</b>	Q. Yes.	15:50:17 3	
15:48:05 <b>5</b>	A. Yeah.	15:50:18 5	
15:48:06	Q. Okay. Can I have that back, please?	15:50:21 6	
15:48:07	A. Sure. (Handing.)	15:50:26 7	
15:48:08	Q. Now what you didn't underline here was the	15:50:30	
15:48:13	statement by the authors that, this study may	15:50:36	
15:48:16 10	obviously not be generalized for an overall safety	15:50:37 10	_
15:48:19 11	statement on forced-air warming, and is primarily	15:50:43 11	flow," you're looking at that, or the "presence of
15:48:23 12	applicable in the particular surgical setup.	15:50:44 12	
15:48:26 13	You didn't underline that; did you?	15:50:45 13	
15:48:27 14	<b>A.</b> No.	15:50:46 14	
15:48:28 15	Q. Okay. That's a pretty important statement	15:50:47 15	_
15:48:30 16	by the authors; isn't it?	15:50:49 16	· · · · · · · · · · · · · · · · · · ·
15:48:31 17	MR. COREY GORDON: Object to the form of	15:50:52 17	surgical site.
15:48:32 18	the question, lack of foundation.	15:50:53 18	MR. COREY GORDON: Object to the form of
15:48:34 19	A. Where am I looking here?	15:50:54 19	the question.
15:48:38 20	Q. (Indicating.) Right after you stopped	15:50:54 <b>20</b>	Q. That's what those numbers mean; correct?
15:48:40 <b>21</b>	underlining up here.	15:50:57 <b>21</b>	For four out of the six plates.
15:48:41 <b>22</b>	A. Right there? (Witness reviewing exhibit.)	15:50:59 <b>22</b>	<b>A.</b> Oh, I see what you're saying. Yes.
15:48:49 23	So you're saying "only the maximum number of health	15:51:00 23	<b>Q.</b> Okay.
15:48:52 <b>24</b>	professionals"	15:51:01 <b>24</b>	<b>A.</b> For four out of the six, yeah.
15:48:53 <b>25</b>	Q. No. Over here, sir. Right after this	15:51:03 <b>25</b>	Q. Okay. And you are aware that the only
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15:48:55	underline here. [Indicating.]	15:51:47	one surgery dealt with total knee replacement.
15:48:56 2	<b>A.</b> Oh, this one. Okay. (Witness reviewing	15:51:50 2	-
15:49:05	exhibit.)	15:51:51 3	
15:49:05	It might not. So I think that I think	15:51:54	
15:49:11 5	good authors will try to look and give their own	15:51:54 5	
15:49:14 <b>6</b>	critique of potential shortcomings.  Q. Okay. Now let's look at the table	15:51:55 6	
	underneath there that looked at the multivariate	15:51:55 <b>7</b> 15:52:13 <b>8</b>	
15:49:19 <b>8</b>	analysis.		Go to page 34 [Exhibit 1].
15:49:23 <b>9</b> 15:49:25 <b>10</b>	Do you agree with me for four out of the six	15:52:55 <b>9</b> 15:53:20 <b>10</b>	
15:49:29 11	plates that there is a higher incident of bacteria	15:53:20 11	MR. ASSAAD: Let's take a break then.
15:49:34 12	when forced-air warming was used as compared to when	15:53:23 12	
13.43.34	-		
15:40:37 13	forced-air warming was not used, or when the HotDog	16:02:55 13	. ,
15:49:37 <b>13</b>	forced-air warming was not used, or when the HotDog was used?	16:02:55 <b>13</b>	BY MR. ASSAAD:
15:49:39 14	was used?	16:03:03 14	BY MR. ASSAAD:  Q. Ready to continue, doctor?
15:49:39 <b>14</b> 15:49:42 <b>15</b>	was used?  A. Where is this?	16:03:03 <b>14</b> 16:03:04 <b>15</b>	BY MR. ASSAAD:  Q. Ready to continue, doctor?  A. Sure.
15:49:39 14	was used?  A. Where is this?  Q. Table 2.	16:03:03 14	BY MR. ASSAAD:  Q. Ready to continue, doctor?  A. Sure.
15:49:39 <b>14</b> 15:49:42 <b>15</b> 15:49:43 <b>16</b>	was used?  A. Where is this?  Q. Table 2.	16:03:03 <b>14</b> 16:03:04 <b>15</b> 16:03:07 <b>16</b>	BY MR. ASSAAD:  Q. Ready to continue, doctor?  A. Sure.  Q. Now let's look at page 34.  A. Okay.
15:49:39	was used?  A. Where is this?  Q. Table 2.  A. Oh, I'm sorry. It's these?	16:03:03 <b>14</b> 16:03:04 <b>15</b> 16:03:07 <b>16</b> 16:03:11 <b>17</b>	BY MR. ASSAAD:  Q. Ready to continue, doctor?  A. Sure.  Q. Now let's look at page 34.  A. Okay.  Q. You go over three studies that talk about
15:49:39	was used?  A. Where is this?  Q. Table 2. A. Oh, I'm sorry. It's these?  Q. Yeah. The second line down.	16:03:03 14 16:03:04 15 16:03:07 16 16:03:11 17 16:03:12 18	BY MR. ASSAAD:  Q. Ready to continue, doctor?  A. Sure.  Q. Now let's look at page 34.  A. Okay.  Q. You go over three studies that talk about the nasal colonization of Staph aureus?
15:49:39 14 15:49:42 15 15:49:43 16 15:49:44 17 15:49:45 18 15:49:47 19	was used?  A. Where is this?  Q. Table 2.  A. Oh, I'm sorry. It's these?  Q. Yeah. The second line down.  A. Okay. (Witness reviewing exhibit.) So what	16:03:03 14 16:03:04 15 16:03:07 16 16:03:11 17 16:03:12 18 16:03:14 19	BY MR. ASSAAD:  Q. Ready to continue, doctor?  A. Sure.  Q. Now let's look at page 34.  A. Okay.  Q. You go over three studies that talk about the nasal colonization of Staph aureus?
15:49:39 14 15:49:42 15 15:49:43 16 15:49:44 17 15:49:45 18 15:49:47 19 15:50:07 20	was used?  A. Where is this?  Q. Table 2.  A. Oh, I'm sorry. It's these?  Q. Yeah. The second line down.  A. Okay. (Witness reviewing exhibit.) So what are you Make sure that I know what you're looking	16:03:03 14 16:03:04 15 16:03:07 16 16:03:11 17 16:03:12 18 16:03:14 19 16:03:27 20	BY MR. ASSAAD:  Q. Ready to continue, doctor?  A. Sure. Q. Now let's look at page 34. A. Okay. Q. You go over three studies that talk about the nasal colonization of Staph aureus? A. Yeah. Q. You agree with me that none of those studies
15:49:39 14 15:49:42 15 15:49:43 16 15:49:44 17 15:49:45 18 15:49:47 19 15:50:07 20 15:50:09 21	was used?  A. Where is this?  Q. Table 2. A. Oh, I'm sorry. It's these?  Q. Yeah. The second line down. A. Okay. (Witness reviewing exhibit.) So what are you Make sure that I know what you're looking what numbers.	16:03:03 14 16:03:04 15 16:03:07 16 16:03:11 17 16:03:12 18 16:03:14 19 16:03:27 20 16:03:28 21	BY MR. ASSAAD:  Q. Ready to continue, doctor?  A. Sure. Q. Now let's look at page 34. A. Okay. Q. You go over three studies that talk about the nasal colonization of Staph aureus? A. Yeah. Q. You agree with me that none of those studies looked at the incidence of periprosthetic joint
15:49:39 14 15:49:42 15 15:49:43 16 15:49:44 17 15:49:45 18 15:49:47 19 15:50:07 20 15:50:09 21 15:50:10 22	was used?  A. Where is this?  Q. Table 2.  A. Oh, I'm sorry. It's these?  Q. Yeah. The second line down.  A. Okay. (Witness reviewing exhibit.) So what are you Make sure that I know what you're looking what numbers.  Q. Let me read it out loud for you.	16:03:03 14 16:03:04 15 16:03:07 16 16:03:11 17 16:03:12 18 16:03:14 19 16:03:27 20 16:03:28 21 16:03:30 22	BY MR. ASSAAD:  Q. Ready to continue, doctor?  A. Sure.  Q. Now let's look at page 34.  A. Okay.  Q. You go over three studies that talk about the nasal colonization of Staph aureus?  A. Yeah.  Q. You agree with me that none of those studies looked at the incidence of periprosthetic joint infection; correct?
15:49:39 14 15:49:42 15 15:49:43 16 15:49:44 17 15:49:45 18 15:49:47 19 15:50:07 20 15:50:09 21 15:50:10 22 15:50:11 23	<ul> <li>A. Where is this?</li> <li>Q. Table 2.</li> <li>A. Oh, I'm sorry. It's these?</li> <li>Q. Yeah. The second line down.</li> <li>A. Okay. (Witness reviewing exhibit.) So what are you Make sure that I know what you're looking what numbers.</li> <li>Q. Let me read it out loud for you.</li> <li>A. Yeah. Go ahead.</li> </ul>	16:03:03 14 16:03:04 15 16:03:07 16 16:03:11 17 16:03:12 18 16:03:14 19 16:03:27 20 16:03:28 21 16:03:30 22 16:03:34 23	BY MR. ASSAAD:  Q. Ready to continue, doctor?  A. Sure. Q. Now let's look at page 34. A. Okay. Q. You go over three studies that talk about the nasal colonization of Staph aureus?  A. Yeah. Q. You agree with me that none of those studies looked at the incidence of periprosthetic joint infection; correct?  A. Let me see where I am here. (Witness
15:49:39 14 15:49:42 15 15:49:43 16 15:49:44 17 15:49:45 18 15:49:47 19 15:50:07 20 15:50:09 21 15:50:10 22 15:50:11 23 15:50:12 24	<ul> <li>A. Where is this?</li> <li>Q. Table 2.</li> <li>A. Oh, I'm sorry. It's these?</li> <li>Q. Yeah. The second line down.</li> <li>A. Okay. (Witness reviewing exhibit.) So what are you Make sure that I know what you're looking what numbers.</li> <li>Q. Let me read it out loud for you.</li> <li>A. Yeah. Go ahead.</li> <li>Q. Table 2 is the results of a multivariate</li> </ul>	16:03:03 14 16:03:04 15 16:03:07 16 16:03:11 17 16:03:12 18 16:03:14 19 16:03:27 20 16:03:28 21 16:03:30 22 16:03:34 23 16:03:37 24	BY MR. ASSAAD:  Q. Ready to continue, doctor?  A. Sure. Q. Now let's look at page 34. A. Okay. Q. You go over three studies that talk about the nasal colonization of Staph aureus?  A. Yeah. Q. You agree with me that none of those studies looked at the incidence of periprosthetic joint infection; correct?  A. Let me see where I am here. (Witness

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16:03:51	can't rem	nember exactly.	16:05:44	any effect on periprosthetic joint infection?
16:03:52		Do you have that paper, just remind me.	16:05:48 2	A. Well I showed you the data from Chen, and in
16:04:11 3	Q.	I do have Kalmeijer, I only have one copy.	16:05:53	the articles I even had the graph, I think, related to
16:04:13 4		t have it with you?	16:05:55 4	that.
16:04:14 <b>5</b>		No. I don't have anything.	16:05:55 <b>5</b>	Q. I'm talking about page
16:04:16		Okay. Well actually, let's look	16:05:56	A. They were mixed
-	α.	MR. COREY GORDON: He might in the box, if	-	Q. Okay.
16:04:21 <b>/</b>	not what	_		A deep and superficial, but they were
•		's up there.		
16:04:23		Yeah, I don't know.	16:06:01 9	prosthetic joints.
16:04:25 10		Let's look at Kalmeijer, which is the	16:06:02 10	<b>Q.</b> Those were the types of surgeries; correct?
16:04:26 11	_	site in you can use my copy	16:06:05 11	A. Yeah. Is that what you want?
16:04:28 12	surgical-	site infections in orthopedic surgeries.	16:06:06 12	<b>Q.</b> No. But the difference is whether or not it
16:04:31 13		Is that the paper you're referring to?	16:06:08 13	caused a superficial wound infection or a
16:04:32 14	Α.	Yeah.	16:06:10 14	periprosthetic joint infection. And there's no data
16:04:33 15	Q.	Okay.	16:06:13 15	that having colonization of Staph in your nose has an
16:04:33 16	A.	Is it If it's not joints, I just wanted	16:06:20 16	effect on periprosthetic joint infection; correct?
16:04:37 17		sure. I thought it included	16:06:24 17	A. Yeah, I Again, Chen. Let's look at that,
16:04:39 18		Actually, if you look at the page that looks	16:06:27 18	because I thought
16:04:41 19		mber of patients,	16:06:29 19	Where do I have that in my notes? He has
16:04:42 20	_	Yeah?	16:06:32 20	<b>Q.</b> What page are you referring to?
16:04:42 <b>20</b> 16:04:44 <b>21</b>		you can see that in when mupirocin is	16:06:32 <b>20</b>	A. Well I'm trying to find it. Maybe it was
16:04:44 21	used	you can see that in when maphoch is	16:06:33 21	
				earlier. (Witness reviewing exhibit.) Sorry I'm
16:04:50 23		Mupirocin, right.	16:07:10 23	taking so long.
16:04:51 <b>24</b>		there were zero infections; correct?	16:07:16 24	Q. Why don't you look at page 65?
16:04:54 <b>25</b>	A.	Yeah.	16:07:19 <b>25</b>	<b>A.</b> 65?
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16:04:54	Q.	And then when the placebo is used there was	16:07:20 <b>1</b>	Q. You talk about Chen, et al, Clinical
16:04:57 <b>2</b>	only one	infection; correct?	16:07:22 <b>2</b>	Orthopedic?
16:04:58 3	A.	Yes.	16:07:23 3	A. Yeah.
16:04:59 4	Q.	That's not	16:07:23 4	Q. Yeah. Page 65.
16:05:00 <b>5</b>	A.	Deep infection.	16:07:28 <b>5</b>	<b>A.</b> No, that's not right; is it?
16:05:01 6		Yeah. And we're talking about deep	16:07:32 6	Q. I'm sorry. Sixty-four.
16:05:02 7		s; correct?	16:07:34 7	A. Yeah, that's right. Okay. Thank you.
16:05:03		Yes.	16:07:38	So, let's see. (Witness reviewing exhibit.)
16:05:03	_	That's not statistically significant; is it?	16:07:46	What I remember that the study said is they mixed
16:05:05 10		I don't think so.	16:07:46 3	superficial and deep in their review of the literature
16:05:06 11		Okay. So would it be fair to say that if	16:08:00 11	because it wasn't always clear. So it might be a mix
16:05:10 12	you used		16:08:04 12	of some of these.
16:05:12 13		Is it mupirocin?	16:08:06 13	Q. So sitting here today there is no evidence
16:05:13 14		Mupirocin, yeah.	16:08:09 14	or data that indicates having colonization of Staph in
16:05:14 15		mupirocin, that there is no data that	16:08:14 15	your nose significantly increases the risk of
16:05:16 16	indicates	that it would statistically impact deep	16:08:17 16	periprosthetic joint infection; correct?
16:05:21 17	joint infe	ctions?	16:08:18 17	MR. COREY GORDON: Object to the question,
16:05:21 18	A.	In that study.	16:08:19 18	mischaracterizes his testimony.
16:05:22 19	Q.	In that study, okay.	16:08:20 19	<b>A.</b> Well what I said is there's a mix of of
		And you consider this study authoritative;	16:08:24 <b>20</b>	periprosthetic joint infections and the more
16:05:24 <b>20</b>	correct?	•	16:08:27 <b>21</b>	superficial ones in here, and I can't tell you, you
16:05:24 <b>20</b> 16:05:26 <b>21</b>		Yes.	16:08:30 <b>22</b>	know, what proportion.
16:05:26 <b>21</b>	_			
16:05:26 <b>21</b> 16:05:26 <b>22</b>	A.	Okay What about the other studies? Do you	16:00:24 22	Okay So you have no oninion. You can't
16:05:26 <b>21</b> 16:05:26 <b>22</b> 16:05:27 <b>23</b>	A. Q.	Okay. What about the other studies? Do you	16:08:31 23	Q. Okay. So you have no opinion. You can't
16:05:26 <b>21</b> 16:05:26 <b>22</b> 16:05:27 <b>23</b> 16:05:30 <b>24</b>	A. Q. agree wit	th me that none of them found that nasal	16:08:33 <b>24</b>	make the statement today
16:05:26 <b>21</b> 16:05:26 <b>22</b> 16:05:27 <b>23</b>	A. Q. agree wit	th me that none of them found that nasal onization of Staph of Staphylococcus had		make the statement today <b>A.</b> Oh, I make an opinion, yeah. I mean I would
16:05:26 <b>21</b> 16:05:26 <b>22</b> 16:05:27 <b>23</b> 16:05:30 <b>24</b>	A. Q. agree wit nasal col	th me that none of them found that nasal	16:08:33 <b>24</b>	make the statement today

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16:08:37	You're going to surgery? Yeah, I'm going to tell	16:10:47	MR. COREY GORDON: Object to the form of
16:08:39 2	you before you take your hip get the mupirocin.	16:10:48 <b>2</b>	the question.
16:08:41 3	<b>Q.</b> I understand that.	16:10:48 3	<b>A.</b> Hypothetically, according to that, yeah. I
16:08:42 4	<b>A.</b> That's my opinion.	16:10:52 4	mean, it's
6:08:43 <b>5</b>	Q. There's no data that	16:10:53 <b>5</b>	<b>Q.</b> Okay. All right.
6:08:45	I mean the only study that we have that	16:11:41 6	Now you agree Let's look at page 38.
16:08:47 7	compared the two between a deep joint using	16:11:51 7	A. Yeah.
16:08:57	A. Mupirocin.	16:11:54	Q. Okay. This is your discussion on your
6:08:58	Q mupirocin and not is the Kalmeijer study;	16:11:57	opinions on laminar flow and rates of SSI; correct?
6:09:02 10	correct?	16:12:00 10	<b>A.</b> That's true.
16:09:03	MR. COREY GORDON: Object to the form of	16:12:02 11	Q. And Lidwell, the Lidwell studies were done
6:09:05 12	the question, mischaracterizes his testimony.	16:12:10 12	in the '80s; correct?
6:09:06 13	<b>A.</b> Other What I just said, there's a mixture	16:12:10 12	A. That's right.
			_
6:09:09 14	here. I can't take out pure prosthetic joint	16:12:13 14	Q. And then the Brandt study was done in
6:09:12 15	infections. Is that what you mean? Then I don't have	16:12:17 15	recently; correct? 2008?
6:09:14 16	that. It's a mixture of periprosthetic joint	16:12:22 16	A. 2008 I have the publication.
6:09:17 17	infections and the superficial ones, and she has five	16:12:24 17	Q. Okay. And Gastmeier's 2012; correct?
6:09:21 18	studies here and they all show 50 percent reduction or	16:12:28 18	<b>A.</b> Gastmeier's two thou Yes.
6:09:25 19	more.	16:12:30 19	<b>Q.</b> Okay. Now you would agree with me that
6:09:25 <b>20</b>	Q. But they they might be a 50 percent	16:12:34 <b>20</b>	during the time that Lidwell was doing his his
16:09:27 <b>21</b>	reduction in just superficial wound infections;	16:12:37 21	studies, that the that the Bair Hugger wasn't used
6:09:31 <b>22</b>	correct?	16:12:42 <b>22</b>	in the operating room; correct?
6:09:31 23	A. I don't think there were zero prosthetic	16:12:45 23	A. Yeah, pretty sure it was not.
6:09:33 <b>24</b>	joint infections in these the way that article was.	16:12:46 <b>24</b>	Q. Okay. But in the Brandt study and the
6:09:35 <b>25</b>	Q. Can you	16:12:48 <b>25</b>	Gastmeier study you agree with me that the Bair Hugge
10.09.33	STIREWALT & ASSOCIATES	10.12.46	STIREWALT & ASSOCIATES
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6:09:36	I mean, if you wanted to do a study to look	16:12:51 <b>1</b>	was used or could have been used in the operating
6:09:38 2	at whether or not mupirocin reduces the incident of	16:12:52	room; correct?
6:09:45	p - p	16:12:54	<b>A.</b> I would say "could have." I don't know. I
6:09:47 4	just periprosthetic joint infections; correct?	16:12:56 4	don't remember.
6:09:50 <b>5</b>	<b>A.</b> That's ideal, right.	16:12:57 <b>5</b>	<b>Q.</b> Well based on your education, training and
6:09:51 6	Q. Okay. And one study we are aware of looked	16:13:00 6	experience, and your understanding of the use of the
6:09:54 7	at that, and that is the Kalmeijer study that you	16:13:01 7	Bair Hugger, can we agree that more likely than not
6:09:58	consider authoritative; correct?	16:13:05	that the Bair Hugger was used
6:09:59	<b>A.</b> Yeah.	16:13:06	A. I think it was
6:09:59 10	Q. Okay. And they saw no difference between	16:13:07 10	MR. COREY GORDON: Object to the form of
6:10:03 11	using mupirocin and not with respect to deep joint	16:13:09 11	the question, lack of foundation.
6:10:03 11	infections; correct?	16:13:10 12	MR. ASSAAD: I didn't finish my question.
6:10:07 1 <b>2</b> 6:10:08 <b>13</b>	<b>A.</b> That's what they showed.	16:13:10 12	Can you please wait for me to finish my question?
6:10:08 <b>13</b> 6:10:09 <b>14</b>	Q. And as of right now that is the only data	16:13:11 <b>13</b> 16:13:13 <b>14</b>	
o:10:09 I 4	sa ann as or done now that is the only data		MR. COREY GORDON: Sure.
		4.5	
6:10:11 15	that we have available with respect to deep joint	16:13:14 15	Q. Based on your education, training and
6:10:11 <b>15</b> 6:10:15 <b>16</b>	that we have available with respect to deep joint infections. Solely on deep joint infections, not	16:13:16 16	experience, and your understanding of the Bair Hugger
6:10:11 <b>15</b> 6:10:15 <b>16</b> 6:10:18 <b>17</b>	that we have available with respect to deep joint infections. Solely on deep joint infections, not combining everything together.	16:13:16 <b>16</b> 16:13:19 <b>17</b>	experience, and your understanding of the Bair Hugger and its use during operations, that more likely than
5:10:11 <b>15</b> 5:10:15 <b>16</b> 5:10:18 <b>17</b> 5:10:19 <b>18</b>	that we have available with respect to deep joint infections. Solely on deep joint infections, not combining everything together.  A. When you say it that way, "solely," yes.	16:13:16 <b>16</b> 16:13:19 <b>17</b> 16:13:21 <b>18</b>	experience, and your understanding of the Bair Hugger and its use during operations, that more likely than not that the Bair Hugger was used in the surgeries
5:10:11 <b>15</b> 5:10:15 <b>16</b> 5:10:18 <b>17</b> 5:10:19 <b>18</b>	that we have available with respect to deep joint infections. Solely on deep joint infections, not combining everything together.	16:13:16 <b>16</b> 16:13:19 <b>17</b>	experience, and your understanding of the Bair Hugger and its use during operations, that more likely than
5:10:11 15 5:10:15 16 5:10:18 17 5:10:19 18 5:10:21 19	that we have available with respect to deep joint infections. Solely on deep joint infections, not combining everything together.  A. When you say it that way, "solely," yes.	16:13:16 <b>16</b> 16:13:19 <b>17</b> 16:13:21 <b>18</b>	experience, and your understanding of the Bair Hugger and its use during operations, that more likely than not that the Bair Hugger was used in the surgeries
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6:10:11 15 6:10:15 16 6:10:18 17 6:10:19 18 6:10:21 19 6:10:22 20 6:10:26 21 6:10:34 22	that we have available with respect to deep joint infections. Solely on deep joint infections, not combining everything together.  A. When you say it that way, "solely," yes.  Q. Okay. Because when you start looking at superficial wound infections then you really have to look at, you know, you really can't make a a a reliable opinion with respect to periprosthetic joint	16:13:16 16 16:13:19 17 16:13:21 18 16:13:25 19 16:13:28 20 16:13:30 21 16:13:33 22	experience, and your understanding of the Bair Hugger and its use during operations, that more likely than not that the Bair Hugger was used in the surgeries that Brandt and Gastmeier reviewed?  MR. COREY GORDON: Object to the form of the question, also lack of foundation.  A. So two thou The Bair Hugger's been in,
6:10:11 15 6:10:15 16 6:10:18 17 6:10:19 18 6:10:21 19 6:10:23 20 6:10:26 21 6:10:34 22 6:10:39 23	that we have available with respect to deep joint infections. Solely on deep joint infections, not combining everything together.  A. When you say it that way, "solely," yes.  Q. Okay. Because when you start looking at superficial wound infections then you really have to look at, you know, you really can't make a a a reliable opinion with respect to periprosthetic joint infections because for it could be possible that	16:13:16 16 16:13:19 17 16:13:21 18 16:13:25 19 16:13:28 20 16:13:30 21 16:13:33 22 16:13:36 23	experience, and your understanding of the Bair Hugger and its use during operations, that more likely than not that the Bair Hugger was used in the surgeries that Brandt and Gastmeier reviewed?  MR. COREY GORDON: Object to the form of the question, also lack of foundation.  A. So two thou The Bair Hugger's been in, let's say 25, 30 years, so I would have thought so,
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6:10:11 15 6:10:15 16 6:10:18 17 6:10:19 18 6:10:21 19 6:10:23 20 6:10:26 21 6:10:34 22 6:10:39 23 6:10:42 24	that we have available with respect to deep joint infections. Solely on deep joint infections, not combining everything together.  A. When you say it that way, "solely," yes.  Q. Okay. Because when you start looking at superficial wound infections then you really have to look at, you know, you really can't make a a a reliable opinion with respect to periprosthetic joint infections because for it could be possible that you're looking at just a reduction in superficial	16:13:16 16 16:13:19 17 16:13:21 18 16:13:25 19 16:13:28 20 16:13:30 21 16:13:33 22 16:13:36 23 16:13:39 24	experience, and your understanding of the Bair Hugger and its use during operations, that more likely than not that the Bair Hugger was used in the surgeries that Brandt and Gastmeier reviewed?  MR. COREY GORDON: Object to the form of the question, also lack of foundation.  A. So two thou The Bair Hugger's been in, let's say 25, 30 years, so I would have thought so, but again, I don't know.

	CASE 0:15-md-02666-JNE-DTS Doc CONFIDENTIAL - SUBJECT TO PROTECTIVE ORDER	<del>. 823-7</del>	Filed 09/12/17 Page 80 of 95 CONFIDENTIAL - SUBJECT TO PROTECTIVE ORDER
	309		311
16:13:59	every study that looked at whether or not the Bair	16:17:32	knee?
16:14:02 <b>2</b>	Hugger increased particles or hydrogen bubbles over	16:17:33 2	A. I think they're around two hours.
16:14:06 3	the Sorry. Strike that.	16:17:35	<b>Q.</b> Okay. So you agree with me that most likely
16:14:09 4	Are you aware that Bair 3M admits that	16:17:39 4	the last criteria you offer one point for if op time
16:14:13 <b>5</b>	every study indicates that whether you looked at	16:17:39 <b>5</b>	exceeds the seventieth percentile for that procedure,
16:14:18 6	hydrogen or particles, that both were increased when	16:17:49 6	or greater than three hours for a joint
16:14:22 7	the Bair Hugger was turned on as compared to the Bair	16:17:49 7	(Interruption by the reporter.)
16:14:24 <b>8</b>	Hugger was turned off?	16:17:49	<b>Q.</b> if op time exceeds the 75th percentile
16:14:25	MR. COREY GORDON: Object to the form of	16:17:53	for that procedure, or greater than three hours for
16:14:26 10	the question, misstates the evidence.	16:17:55 10	the joint replacement, that we could probably
16:14:27 11	<b>A.</b> So I'm not aware that 3M admitted that. No,	16:17:58 11	eliminate greater than three hours as one of the
16:14:30 12	I'm not aware of that.	16:18:01 12	criteria that would be apply to total hip and total
16:14:33 13	<b>Q.</b> If that is the case, would that cause you	16:18:04 13	knee.
16:14:35 14	any concern that the Bair Hugger increases particles	16:18:04 14	MR. COREY GORDON: Object to the form of
6:14:38 15	over the surgical site?	16:18:04 15	the question,
16:14:40 16	A. What I know now it would cause me no concern	16:18:04 16	A. These
16:14:43 17	because all the studies that get closer, looking at	16:18:05 17	MR. COREY GORDON: lack of foundation.
6:14:46 18	CFUs, can't show that.	16:18:05 18	A. These are not my criteria, these are, you
16:14:50 19	Q. Well are you aware of the Stocks article	16:18:08 19	know, CDC's, and I don't think today there would be
16:14:52 <b>20</b>	that did a correlation between CFUs greater than 10	16:18:10 20	that many patients who would have more than three
16:14:56 <b>21</b>	microns and	16:18:13 21	hours.
16:14:56 <b>22</b>	A. Yes.	16:18:14 <b>22</b>	Q. Okay. And we could agree that for total hip
16:14:57 <b>23</b>	<b>Q.</b> and	16:18:16 23	and total knee it's not a contaminated or dirty
6:14:58 24	<b>A.</b> I'm sorry.	16:18:19 24	surgery; correct?
16:14:59 <b>25</b>	Q and CFUs?	16:18:20 <b>25</b>	<b>A.</b> Yes. It's a clean surgery.
-	STIREWALT & ASSOCIATES		STIREWALT & ASSOCIATES
	1-800-553-1953 info@stirewalt.com		1-800-553-1953 info@stirewalt.com
	CONFIDENTIAL - SUBJECT TO PROTECTIVE ORDER		CONFIDENTIAL - SUBJECT TO PROTECTIVE ORDER
	310		312
16:15:00	A. Yes.	16:18:22	Q. Okay. And the ASA score is based on the
16:15:01 2	Q. Do you agree with that study?	16:18:27	patient; correct?
16:15:02	_	_	_
	A. Yes.	16:18:28 3	A. It is.
16:15:03 <b>4</b>			_
_	<b>Q.</b> Okay. Page 46.	16:18:30 4	Q. Okay. Now where it says, "if op time
16:16:44 5	Q. Okay. Page 46.  I just want to understand your CDC NNIS	16:18:30 <b>4</b> 16:18:32 <b>5</b>	<b>Q.</b> Okay. Now where it says, "if op time exceeds the 75th percentile for that procedure," is
16:16:44 <b>5</b> 16:16:47 <b>6</b>	Q. Okay. Page 46.  I just want to understand your CDC NNIS score.	16:18:30 <b>4</b> 16:18:32 <b>5</b> 16:18:36 <b>6</b>	<b>Q.</b> Okay. Now where it says, "if op time exceeds the 75th percentile for that procedure," is there somewhere I could look at to see what the the
6:16:44 <b>5</b> 6:16:47 <b>6</b> 6:16:48 <b>7</b>	<ul><li>Q. Okay. Page 46.</li></ul>	16:18:30 <b>4</b> 16:18:32 <b>5</b> 16:18:36 <b>6</b> 16:18:39 <b>7</b>	Q. Okay. Now where it says, "if op time exceeds the 75th percentile for that procedure," is there somewhere I could look at to see what the the time for each type of procedure is?
16:16:44 <b>5</b> 16:16:47 <b>6</b> 16:16:48 <b>7</b> 16:16:49 <b>8</b>	<ul> <li>Q. Okay. Page 46. I just want to understand your CDC NNIS</li> <li>score.</li> <li>A. Yeah.</li> <li>Q. And I guess you look to determine the</li> </ul>	16:18:30 <b>4</b> 16:18:32 <b>5</b> 16:18:36 <b>6</b> 16:18:39 <b>7</b> 16:18:41 <b>8</b>	Q. Okay. Now where it says, "if op time exceeds the 75th percentile for that procedure," is there somewhere I could look at to see what the the time for each type of procedure is?  A. I think there is, but I I don't know the
16:16:44 <b>5</b> 16:16:47 <b>6</b> 16:16:48 <b>7</b> 16:16:49 <b>8</b> 16:16:52 <b>9</b>	<ul> <li>Q. Okay. Page 46. I just want to understand your CDC NNIS</li> <li>score.</li> <li>A. Yeah.</li> <li>Q. And I guess you look to determine the risk factor for a surgical site risk, one of the</li> </ul>	16:18:30 <b>4</b> 16:18:32 <b>5</b> 16:18:36 <b>6</b> 16:18:39 <b>7</b> 16:18:41 <b>8</b> 16:18:45 <b>9</b>	Q. Okay. Now where it says, "if op time exceeds the 75th percentile for that procedure," is there somewhere I could look at to see what the the time for each type of procedure is?  A. I think there is, but I I don't know the CDC reference for that, though.
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16:16:44 5 16:16:47 6 16:16:48 7 16:16:49 8 16:16:52 9 16:16:55 10 16:17:00 11	<ul> <li>Q. Okay. Page 46. I just want to understand your CDC NNIS</li> <li>score.</li> <li>A. Yeah.</li> <li>Q. And I guess you look to determine the risk factor for a surgical site risk, one of the things you can look at is an NNIS score; correct?</li> <li>A. Yes.</li> </ul>	16:18:30 <b>4</b> 16:18:32 <b>5</b> 16:18:36 <b>6</b> 16:18:39 <b>7</b> 16:18:41 <b>8</b> 16:18:45 <b>9</b> 16:18:47 <b>10</b> 16:19:11 <b>11</b>	<ul> <li>Q. Okay. Now where it says, "if op time exceeds the 75th percentile for that procedure," is there somewhere I could look at to see what the the time for each type of procedure is?</li> <li>A. I think there is, but I I don't know the CDC reference for that, though.</li> <li>Q. Okay. Looking at the bottom, the odds ratio of the variables.</li> </ul>
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16:16:44 5 16:16:47 6 16:16:48 7 16:16:49 8 16:16:52 9 16:16:55 10 16:17:00 11 16:17:00 12 16:17:01 13 16:17:04 14	<ul> <li>Q. Okay. Page 46. I just want to understand your CDC NNIS</li> <li>score.</li> <li>A. Yeah.</li> <li>Q. And I guess you look to determine the risk factor for a surgical site risk, one of the things you can look at is an NNIS score; correct?</li> <li>A. Yes.</li> <li>Q. Okay. And when you talk about the surgical-site infection risk, do you know whether or not the CDC is referring to a superficial wound</li> </ul>	16:18:30	<ul> <li>Q. Okay. Now where it says, "if op time exceeds the 75th percentile for that procedure," is there somewhere I could look at to see what the the time for each type of procedure is? <ul> <li>A. I think there is, but I I don't know the</li> </ul> </li> <li>CDC reference for that, though. <ul> <li>Q. Okay. Looking at the bottom, the odds ratio of the variables.</li> <li>A. Yeah.</li> <li>Q. Why is it if you have private insurance you're less likely to get a surgical-site infection?</li> </ul> </li> </ul>
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	CONFIDENTIAL - SUBJECT TO PROTECTIVE ORDER	823-1	CONFIDENTIAL - SUBJECT TO PROTECTIVE ORDER
	313		315
16:20:16	<b>Q.</b> So would you agree with me that the mere	16:25:01 <b>1</b>	We can talk about the McGovern study as the
_		•	•
16:20:18 2	fact that you have diabetes, that it does not increase		one sort of study that stands out until recently.
16:20:24 3	the risk of periprosthetic joint infection?	16:25:09	They gave an initial signal, but the more I looked at
16:20:27 4	<b>A.</b> No, I wouldn't. This is this study, and	16:25:14	that study, the more problems I had with it.
16:20:29 5	that's what I would cite to say in that study that's	16:25:30 <b>5</b>	Q. With respect to your methodology to de
16:20:31 6	what they found.	16:25:33 6	Strike that.
16:20:32 7	Q. Okay. Well what's your opinion, sir?	16:25:33 7	We've talked about some studies today in
16:20:35	<b>A.</b> I think diabetes is a risk factor.	16:25:37	which they offered data or opinions that contradict
16:20:36	<b>Q.</b> Okay. So you disagree with the	16:25:41 9	your opinions; correct?
16:20:36 10	<b>A.</b> I do.	16:25:43 10	<b>A.</b> There were some.
16:20:37 11	<b>Q.</b> the results of the study.	16:25:44 11	<b>Q.</b> Okay. What was your methodology to de in
16:20:38 12	<b>A.</b> I do.	16:25:47 12	determining which studies you would use to support
16:20:40 13	Q. Okay. But you cited this study in your	16:25:50 13	your opinions and which studies that you would
16:20:42 14	report.	16:25:52 14	disregard?
16:20:42 15	A. Sure. I told you I'm trying to show you	16:25:55 15	A. I don't know that I would sort of just
16:20:45 16	everything I have.	16:25:57 16	blatantly disregard anything. I looked at the
16:21:32 17	Q. And you would consider obese a BMI greater	16:26:00 17	collective sort of sense within each category, if I
16:21:35 18	than 30; correct?	16:26:05 18	could.
16:21:35 19	A. Yes.	16:26:05 19	Q. Well, for example, you think that nasal
16:21:58 20	<b>Q.</b> And you'd agree with me that there is a big	16:26:12 <b>20</b>	colonization of Staph will have an effect on
16:22:00 21	difference with respect to risk factors of	16:26:15 21	periprosthetic joint infection, but you disregard the
16:22:03 22	surgical-site infections between obese and morbidly	16:26:18 22	only study that looks at it that says there is no
16:22:06 <b>23</b>	obese.	16:26:22 23	statistically significant difference.
16:22:06 <b>23</b>	_	16:26:22 <b>23</b> 16:26:23 <b>24</b>	
16:22:07 <b>24</b> 16:22:09 <b>25</b>	, , ,	16:26:23 <b>24</b> 16:26:24 <b>25</b>	MR. COREY GORDON: Object to the form of
16:22:09 23	morbid obesity, yeah. STIREWALT & ASSOCIATES	16:26:24 <b>43</b>	the question, mischaracterizes his testimony. STIREWALT & ASSOCIATES
	1-800-553-1953 info@stirewalt.com		1-800-553-1953 info@stirewalt.com
	CONFIDENTIAL - SUBJECT TO PROTECTIVE ORDER		CONFIDENTIAL - SUBJECT TO PROTECTIVE ORDER
	044		040
	314	_	316
16:22:10	<b>Q.</b> And I believe you cited an article you	16:26:25	<b>A.</b> I think the the bulk of data, so many
16:22:12 2	<b>Q.</b> And I believe you cited an article you looked at where they looked at the BMI greater than 30	16:26:31 2	<b>A.</b> I think the the bulk of data, so many different studies, including orthopedic studies where
16:22:12 <b>2</b> 16:22:15 <b>3</b>	<b>Q.</b> And I believe you cited an article you looked at where they looked at the BMI greater than 30 and the BMI greater than 40. Is that Am I	16:26:31 <b>2</b> 16:26:33 <b>3</b>	<b>A.</b> I think the the bulk of data, so many different studies, including orthopedic studies where I gave you from Chen, there is no way that I would
16:22:12 <b>2</b> 16:22:15 <b>3</b> 16:22:18 <b>4</b>	Q. And I believe you cited an article you looked at where they looked at the BMI greater than 30 and the BMI greater than 40. Is that Am I recalling that correctly?	16:26:31 <b>2</b> 16:26:33 <b>3</b> 16:26:36 <b>4</b>	<b>A.</b> I think the the bulk of data, so many different studies, including orthopedic studies where I gave you from Chen, there is no way that I would want the orthopedic patient not to have nasal
16:22:12 <b>2</b> 16:22:15 <b>3</b>	Q. And I believe you cited an article you looked at where they looked at the BMI greater than 30 and the BMI greater than 40. Is that Am I recalling that correctly?  A. You may. I can't think it I don't know	16:26:31 <b>2</b> 16:26:33 <b>3</b> 16:26:36 <b>4</b> 16:26:40 <b>5</b>	<b>A.</b> I think the the bulk of data, so many different studies, including orthopedic studies where I gave you from Chen, there is no way that I would want the orthopedic patient not to have nasal mupirocin preoperatively, and that's pretty much the
16:22:12 <b>2</b> 16:22:15 <b>3</b> 16:22:18 <b>4</b> 16:22:19 <b>5</b> 16:22:21 <b>6</b>	Q. And I believe you cited an article you looked at where they looked at the BMI greater than 30 and the BMI greater than 40. Is that Am I recalling that correctly?  A. You may. I can't think it I don't know what that is right now, but it might be so.	16:26:31 <b>2</b> 16:26:33 <b>3</b> 16:26:36 <b>4</b> 16:26:40 <b>5</b> 16:26:44 <b>6</b>	<b>A.</b> I think the the bulk of data, so many different studies, including orthopedic studies where I gave you from Chen, there is no way that I would want the orthopedic patient not to have nasal mupirocin preoperatively, and that's pretty much the standard around the country.
16:22:12 <b>2</b> 16:22:15 <b>3</b> 16:22:18 <b>4</b> 16:22:19 <b>5</b> 16:22:21 <b>6</b> 16:23:27 <b>7</b>	<ul> <li>Q. And I believe you cited an article you looked at where they looked at the BMI greater than 30 and the BMI greater than 40. Is that Am I recalling that correctly?</li> <li>A. You may. I can't think it I don't know what that is right now, but it might be so.</li> <li>Q. So I understand that you read many articles</li> </ul>	16:26:31 <b>2</b> 16:26:33 <b>3</b> 16:26:36 <b>4</b> 16:26:40 <b>5</b> 16:26:44 <b>6</b> 16:26:46 <b>7</b>	A. I think the the bulk of data, so many different studies, including orthopedic studies where I gave you from Chen, there is no way that I would want the orthopedic patient not to have nasal mupirocin preoperatively, and that's pretty much the standard around the country.  Q. Well that's not the standard where Darouiche
16:22:12 <b>2</b> 16:22:15 <b>3</b> 16:22:18 <b>4</b> 16:22:19 <b>5</b> 16:22:21 <b>6</b> 16:23:27 <b>7</b> 16:23:39 <b>8</b>	<ul> <li>Q. And I believe you cited an article you looked at where they looked at the BMI greater than 30 and the BMI greater than 40. Is that Am I recalling that correctly?</li> <li>A. You may. I can't think it I don't know what that is right now, but it might be so.</li> <li>Q. So I understand that you read many articles and did an extensive literature search with respect to</li> </ul>	16:26:31 <b>2</b> 16:26:33 <b>3</b> 16:26:36 <b>4</b> 16:26:40 <b>5</b> 16:26:44 <b>6</b> 16:26:47 <b>8</b>	A. I think the the bulk of data, so many different studies, including orthopedic studies where I gave you from Chen, there is no way that I would want the orthopedic patient not to have nasal mupirocin preoperatively, and that's pretty much the standard around the country.  Q. Well that's not the standard where Darouiche did his study; correct?
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16:22:12 2 16:22:15 3 16:22:18 4 16:22:19 5 16:22:21 6 16:23:27 7 16:23:39 8 16:23:42 9 16:23:48 10 16:23:49 11 16:23:51 12 16:23:55 13 16:24:05 14 16:24:05 14 16:24:01 15 16:24:10 17 16:24:20 18 16:24:20 18 16:24:21 20 16:24:31 20 16:24:31 20 16:24:41 22 16:24:41 22 16:24:46 23 16:24:53 24	Q. And I believe you cited an article you looked at where they looked at the BMI greater than 30 and the BMI greater than 40. Is that Am I recalling that correctly?  A. You may. I can't think it I don't know what that is right now, but it might be so.  Q. So I understand that you read many articles and did an extensive literature search with respect to formulating your opinions in this case; correct?  A. Yes.  Q. Okay. So when you come to your ultimate opinions, what methodology did you use in doing your review to determine your opinions?  A. What I think I've done is actually take a look at the hierarchy of all the studies that fell into any one group. So I looked separately at clinical trials, I looked at meta-analysis, case-control studies, cohorts, national trends, and then the data on CFUs as a biological plausibility. I have There are 15 studies from there. I looked at the particle studies, which I think are really distant surrogate markers of infection. And then together, I would say, as as a complete package, I can't find any, you know, convincing link between the Bair Hugger and harm.	16:26:31 2 16:26:33 3 16:26:36 4 16:26:40 5 16:26:44 6 16:26:47 8 16:26:49 9 16:26:50 10 16:26:51 11 16:26:55 12 16:26:57 13 16:26:58 14 16:27:01 15 16:27:02 16 16:27:03 17 16:27:06 18 16:27:06 19 16:27:10 20 16:27:11 21 16:27:12 22 16:27:15 23 16:27:15 24	<ul> <li>A. I think the the bulk of data, so many different studies, including orthopedic studies where I gave you from Chen, there is no way that I would want the orthopedic patient not to have nasal mupirocin preoperatively, and that's pretty much the standard around the country.</li> <li>Q. Well that's not the standard where Darouiche did his study; correct?  MR. COREY GORDON: Object to the form of the question, lack of foundation.</li> <li>A. Yeah, I I he that study, no. In terms of that study, he didn't do that, but</li> <li>Q. Okay. So</li> <li>A that wasn't prosthetic joint infections.  Are you talking about the first study?</li> <li>Q. Yes.</li> <li>A. Of the Using the antiseptic?</li> <li>Q. Yeah.</li> <li>A. Yeah, that's that's obviously different than prosthetic joints.</li> <li>Q. So you would use it for prosthetic joints but not for other surgeries?</li> <li>A. Yeah, there I I think the standards are today, any implant; so orthopedic implant, cardiac implant, and neurosurgery implant, all those people</li> </ul>

	CASE 0:15-md-02666-JNE-DTS Doc CONFIDENTIAL - SUBJECT TO PROTECTIVE ORDER	823-7	Filed 09/12/17 Page 82 of 95 CONFIDENTIAL - SUBJECT TO PROTECTIVE ORDER
	317		319
16:27:26 <b>1</b>	should be getting mupirocin and chlorhe and	16:30:47 <b>1</b>	important things. I'd want to look at what statistics
16:27:30 2	chlorhexidine baths.	16:30:51 2	that they used and how they were going to evaluate
16:27:33 3	<b>Q.</b> And the mupirocin is for the nose; correct?	16:30:54 3	success or not. And I would hope that they would have
16:27:34 4	A. It is.	16:30:58 4	not only efficacy, but a safety profile to go along by
16:27:35 <b>5</b>	Q. Okay. So that would indicate to me that you	16:31:04 5	which you could make a, if you will, risk/benefit
16:27:38 6	are trying to kill the bacteria in the nose so it	16:31:07 6	compared to an alternative.
16:27:43 7	doesn't become aerosolized; correct?	16:31:09 7	I could go on for awhile, but I think you
16:27:46	MR. COREY GORDON: Object to the form of	16:31:11	got the idea.
16:27:47	the question.	16:31:12	<b>Q.</b> I think I get the idea.
16:27:47	<b>A.</b> No, that's not the I'm trying to kill	16:31:21 10	MR. ASSAAD: So let's mark this as the next
16:27:50 11	the bacteria in the nose, and if you kill the bacteria	16:31:41 11	exhibit.
16:27:53 12	in the nose you actually show a markedly reduced	16:31:42 12	(Wenzel Exhibit 12 marked for
16:27:59 13	bacterial burden in the rest of the body.	16:31:43 13	identification.)
16:27:59 13	Q. How does that occur?	16:31:43 14	(Discussion off the stenographic record.)
16:28:04 15	<b>A.</b> You know, the joke that I use is think about	16:31:46 15	BY MR. ASSAAD:
16:28:04 15	all the people that touch their nose when they you	16:31:46 15	Q. Do you
16:28:06 17	know, during the day, and 30 to 50 percent of people	16:31:47 16	Have you seen this article before?
16:28:09 17	who have Staph aureus in the nose have this on the	16:31:48 17	A. I don't know. I'm not sure I have, but.
16:28:12 10	strai on their hands, and when you do fingerprints,	16:31:50 10	Q. I represent to you that it came out of the
16:28:16 19	97 percent are the exact same strain. So I don't know	16:31:53 19	box of documents that you provided to us today.
16:28:20 <b>20</b>	for sure, but I think that we all have a lot of	16:31:55 20	<b>A.</b> Yeah. You know, when you read a lot, I'm
16:28:26 22	contact with our nose and mouth.	16:32:00 22	not positive. I want to be able to tell you
16:28:28 23	<b>Q.</b> And when do you give the mupirocin to the	16:32:03 23	accurately.
16:28:30 24	patient?	16:32:03 24	<b>Q.</b> And if you look at a couple pages later, I
16:28:31 <b>25</b>	<b>A.</b> Ideally you would have them come into the	16:32:06 <b>25</b>	think the next page, it's actually underlined in
	STIREWALT & ASSOCIATES		STIREWALT & ASSOCIATES
	1-800-553-1953 info@stirewalt.com		1-800-553-1953 info@stirewalt.com
	CONFIDENTIAL OUR FOR TO PROTECTIVE ORDER		
	CONFIDENTIAL - SUBJECT TO PROTECTIVE ORDER		CONFIDENTIAL - SUBJECT TO PROTECTIVE ORDER
	CONFIDENTIAL - SUBJECT TO PROTECTIVE ORDER 318		CONFIDENTIAL - SUBJECT TO PROTECTIVE ORDER 320
16:28:34		16:32:09	
16:28:34 <b>1</b> 16:28:38 <b>2</b>	318	16:32:09 <b>1</b> 16:32:09 <b>2</b>	320
	318 pre-op center and where they get evaluated in		320 certain areas.
16:28:38 2	318 pre-op center and where they get evaluated in general for anesthesia five days before the surgery,	16:32:09 2	320 certain areas. <b>A.</b> Okay. (Witness reviewing exhibit.) Oh, in
16:28:38 <b>2</b> 16:28:41 <b>3</b>	318 pre-op center and where they get evaluated in general for anesthesia five days before the surgery, and then twice a day for five days.	16:32:09 <b>2</b> 16:32:16 <b>3</b>	certain areas.  A. Okay. (Witness reviewing exhibit.) Oh, in the "DISCUSSION." What do you want me to tell you?
16:28:38 <b>2</b> 16:28:41 <b>3</b> 16:28:54 <b>4</b>	pre-op center and where they get evaluated in general for anesthesia five days before the surgery, and then twice a day for five days.  Q. So I'm just trying to understand, like, when	16:32:09 <b>2</b> 16:32:16 <b>3</b> 16:32:20 <b>4</b>	certain areas.  A. Okay. (Witness reviewing exhibit.) Oh, in the "DISCUSSION." What do you want me to tell you?  Q. I mean, is that your underlining?
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16:28:38 <b>2</b> 16:28:41 <b>3</b> 16:28:54 <b>4</b> 16:29:20 <b>5</b> 16:29:25 <b>6</b> 16:29:28 <b>7</b> 16:29:33 <b>8</b>	pre-op center and where they get evaluated in general for anesthesia five days before the surgery, and then twice a day for five days.  Q. So I'm just trying to understand, like, when you look at a a peer-reviewed article, what methodology do you have to determine whether or not the article is something that you're going to rely upon and agree with as compared to something that you may not agree with?  A. Well I could go on for a long time, but I	16:32:09 <b>2</b> 16:32:16 <b>3</b> 16:32:20 <b>4</b> 16:32:22 <b>5</b> 16:32:23 <b>6</b> 16:32:25 <b>7</b> 16:32:31 <b>8</b>	certain areas.  A. Okay. (Witness reviewing exhibit.) Oh, in the "DISCUSSION." What do you want me to tell you?  Q. I mean, is that your underlining?  A. Oh yeah, it is.  Q. Can I look at it real quick, please?  A. Yeah, sure. (Handing.)  Q. You highlighted, in the And what Exhibit 12 is is the article titled  Forced-Air Warming Does Not Worsen Air Quality in
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16:28:38 2 16:28:41 3 16:28:54 4 16:29:20 5 16:29:25 6 16:29:28 7 16:29:33 8 16:29:35 9 16:29:38 10 16:29:42 11 16:29:45 12 16:29:50 13 16:29:58 14	pre-op center and where they get evaluated in general for anesthesia five days before the surgery, and then twice a day for five days.  Q. So I'm just trying to understand, like, when you look at a a peer-reviewed article, what methodology do you have to determine whether or not the article is something that you're going to rely upon and agree with as compared to something that you may not agree with?  A. Well I could go on for a long time, but I think what I would do is look at the methods section in a very critical way. For example: Did they have a clear endpoint? If they're counting infections, what was the method of	16:32:09 2 16:32:16 3 16:32:20 4 16:32:22 5 16:32:23 6 16:32:25 7 16:32:31 8 16:32:48 9 16:32:52 10 16:32:55 11 16:32:58 12	certain areas.  A. Okay. (Witness reviewing exhibit.) Oh, in the "DISCUSSION." What do you want me to tell you?  Q. I mean, is that your underlining?  A. Oh yeah, it is.  Q. Can I look at it real quick, please?  A. Yeah, sure. (Handing.)  Q. You highlighted, in the And what Exhibit 12 is is the article titled  Forced-Air Warming Does Not Worsen Air Quality in  Laminar Flow Operating Rooms, authored by Dr. Sessler, Dr. Olmsted and Kuelpmann. Is that correct?  A. I think they're the authors, yeah. Yeah.  Q. Why wasn't this article, which is clearly
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	CASE 0:15-md-02666-JNE-DTS Doc CONFIDENTIAL - SUBJECT TO PROTECTIVE ORDER	<del>823-7</del>	Filed 09/12/17 Page 83 of 95 CONFIDENTIAL - SUBJECT TO PROTECTIVE ORDER
	321		323
16:33:46 1	currents up from the patient, are effective in	16:36:26	the question.
16:33:49 <b>2</b>	reducing particle concentrations" near surgical	16:36:26 2	A. Yeah. That was his link, yes.
16:33:51 <b>3</b>	"near the surgical site."	16:36:30 3	<b>Q.</b> And you agree with that?
16:33:54 4	<b>A.</b> Yeah. That's what he said.	16:36:31 4	<b>A.</b> Yeah.
16:33:56 <b>5</b>	<b>Q.</b> Well my question is why did you underline	16:36:32 <b>5</b>	(Interruption by the reporter.)
16:33:58 6	that section?	16:36:32 6	A. His link, yeah.
16:34:02 7	<b>A.</b> You know, a lot of times I underline things	16:36:32 7	<b>Q.</b> Okay. So if you're looking at just 10
16:34:04	because, one, I don't understand and I want to read it	16:36:35	micron particles, would you agree with me that an
16:34:07	a second time, or I wanted to ask a question from	16:36:37	increase in 10 micron particles over the surgical site
16:34:09 10	counsel. And as I told you earlier, I'm one of these	16:36:40 10	would increase the risk of periprosthetic joint
16:34:13 11	guys that often underlines, you know, a big chunk of	16:36:42 <b>11</b> 16:36:43 <b>12</b>	infection?
16:34:16 <b>12</b> 16:34:20 <b>13</b>	the re if you gave me a novel, unfortunately, I'd ask you if you wanted it back because I underline that	16:36:43 <b>12</b> 16:36:44 <b>13</b>	MR. COREY GORDON: Object to the form of the question, incomplete hypothetical.
16:34:20 <b>13</b> 16:34:23 <b>14</b>	stuff.	16:36:44 <b>13</b> 16:36:46 <b>14</b>	<b>A.</b> That's the question that we're trying to get
16:34:23 14	Q. So sitting here today you don't know why you	16:36:48 15	at, and I don't think we have conclusive information
16:34:26 16	underlined it?	16:36:52 16	that particles equal infections.
16:34:27 17	A. I don't remember.	16:36:54 17	Q. Are you looking for a hundred percent
16:34:28 18	Q. Okay. Now do you recall	16:36:55 18	certainty?
16:34:31 19	You said you've read the Sessler	16:36:56 19	A. I never look for a hundred percent, sir.
16:34:33 20	depositions; correct?	16:36:59 20	<b>Q.</b> Well do you remember back in, maybe it was
16:34:34 21	A. I think so. I don't remember a lot of I	16:37:04 <b>21</b>	high school, we had to learn logic? Remember that?
16:34:36 <b>22</b>	thought I had.	16:37:08 <b>22</b>	A. Yeah. I took a college, not high school
16:34:37 23	Q. Do you recall the discussion I had with Dr.	16:37:11 23	course, in logic.
16:34:41 <b>24</b>	Sessler during his deposition regarding his tests?	16:37:12 24	Q. Okay. You know, if you A you know, if
16:34:44 <b>25</b>	<b>A.</b> No, but go ahead. Remind me.	16:37:15 <b>25</b>	A equals B and B equals C, then A could equal C?
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			CONFIDENTIAL - SUBJECT TO PROTECTIVE ORDER
16:34:48	322  Q. You haven't seen the raw data for for	16:37:19 <b>1</b>	324
16:34:48 <b>1</b> 16:34:50 <b>2</b>	322	16:37:19 <b>1</b> 16:37:20 <b>2</b>	
_	322 <b>Q.</b> You haven't seen the raw data for for	•	324 <b>A.</b> I know what you're getting at.
16:34:50 2	322 <b>Q.</b> You haven't seen the raw data for for You haven't seen the raw data for the for	16:37:20 2	A. I know what you're getting at. Q. You remember that?
16:34:50 <b>2</b> 16:34:53 <b>3</b>	Q. You haven't seen the raw data for for You haven't seen the raw data for the for this study; correct?	16:37:20 <b>2</b> 16:37:21 <b>3</b>	A. I know what you're getting at. Q. You remember that? A. Yeah.
16:34:50 <b>2</b> 16:34:53 <b>3</b> 16:34:54 <b>4</b>	Q. You haven't seen the raw data for for You haven't seen the raw data for the for this study; correct? A. Correct.	16:37:20 <b>2</b> 16:37:21 <b>3</b> 16:37:21 <b>4</b>	324 A. I know what you're getting at. Q. You remember that? A. Yeah. Q. Okay. So
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16:34:50 <b>2</b> 16:34:53 <b>3</b> 16:34:54 <b>4</b> 16:34:54 <b>5</b> 16:35:10 <b>6</b> 16:35:19 <b>7</b> 16:35:37 <b>8</b> 16:35:40 <b>9</b>	Q. You haven't seen the raw data for for You haven't seen the raw data for the for this study; correct? A. Correct. Q. Okay. Now just so I understand your opinion, if a device significantly increases particles over the surgical site is it your opinion that the there is going to be no effect on surgical-site infections?	16:37:20 <b>2</b> 16:37:21 <b>3</b> 16:37:21 <b>4</b> 16:37:21 <b>5</b> 16:37:25 <b>6</b> 16:37:31 <b>7</b> 16:37:41 <b>8</b> 16:37:46 <b>9</b>	A. I know what you're getting at. Q. You remember that? A. Yeah. Q. Okay. So MR. COREY GORDON: Socrates was a man. Q. So if if Stocks linked particles over 10 microns to bacterial load, and Darouiche linked bacterial load to periprosthetic joint infections, and I understand you have an issue with where is that
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16:34:50 <b>2</b> 16:34:53 <b>3</b> 16:34:54 <b>4</b> 16:34:54 <b>5</b> 16:35:10 <b>6</b> 16:35:19 <b>7</b> 16:35:37 <b>8</b> 16:35:40 <b>9</b> 16:35:40 <b>10</b> 16:35:43 <b>11</b> 16:35:44 <b>12</b> 16:35:47 <b>13</b> 16:35:56 <b>15</b>	Q. You haven't seen the raw data for for You haven't seen the raw data for the for this study; correct? A. Correct. Q. Okay. Now just so I understand your opinion, if a device significantly increases particles over the surgical site is it your opinion that the there is going to be no effect on surgical-site infections?  MR. COREY GORDON: Object to the form of the question, also incomplete hypothetical. A. You know, I hate to say "always" or "never," I've told you that today. So I'd hate to say "never, ever." But in general for me to think that particles are really important would be if that was linked	16:37:20	A. I know what you're getting at.  Q. You remember that?  A. Yeah.  Q. Okay. So  MR. COREY GORDON: Socrates was a man.  Q. So if if Stocks linked particles over 10 microns to bacterial load, and Darouiche linked bacterial load to periprosthetic joint infections, and I understand you have an issue with where is that bacteria coming from, but based on those two studies, and logic, do you not agree that if 10 micron particles increase over the surgical site there is going to be an increase in periprosthetic joint infections?  MR. COREY GORDON: Object to the form of
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325	327
16.38.34 <b>1 Q.</b> But you, sitting here, cannot say that my	16:40:37 <b>1 A.</b> just no data that I can say to answer
9 delegand in add a second	
, A T	
	,
MR. COREY GORDON: Object to the form of	16:40:42 <b>4 A.</b> I can never exclude things that aren't
16:38:43 <b>5</b> the question.	16:40:44 5 there.
16:38:44 <b>6 A.</b> I don't think it's true. I think it's we	16:40:45 <b>6 Q.</b> Okay. Especially after the Stocks and
need a lot more information for your statement	16:40:46 <b>7</b> Darouiche study; correct?
16.38.46 <b>8 Q.</b> Okay.	16:40:49 <b>8 A.</b> Yeah.
16.38.49 <b>9 A.</b> to be right, unless you're making it	16:40:50 <b>9 Q.</b> Okay.
16:38:52 <b>10</b> totally hypothetical.	16:40:50 <b>10 A.</b> I mean that's
16.38.53 <b>11 Q.</b> I didn't ask you if it was true.	16.40.51 <b>11 Q.</b> Let's talk about heater-cooler.
16.38.54 <b>12</b> You can't offer the opinion that that	16:40:53 <b>12 A.</b> About what?
16:38:57 <b>13</b> that that progression between Stocks and Darouiche and	16:40:53 <b>13 Q.</b> The heater-cooler.
16:39:05 <b>14</b> particles over 10 microns can be correlated to	16:40:54 <b>14 A.</b> Okay. Sure.
16:39:17 <b>15</b> periprosthetic joint infections is not true.	16:41:02 <b>15 Q.</b> And I believe that's on page 75.
16:39:19 <b>16</b> MR. COREY GORDON: Object to the form of	16:41:15 <b>16 A.</b> Yeah.
16:39:20 <b>17</b> the question,	16:41:22 <b>17 Q.</b> Now you understand that the heater-cooler
16:39:20 <b>18 Q.</b> You just want more data.	16:41:24 <b>18</b> device is not near the surgical table.
16:39:22 <b>19</b> MR. COREY GORDON: in	16:41:28 <b>19 A.</b> The device itself is away from the table,
16:39:23 <b>20</b> Object to the form of the question,	16:41:30 <b>20</b> yeah.
16:39:24 <b>21</b> incomplete hypothetical.	Q. It's actually probably in the corner of the
16:39:26 <b>22 A.</b> Well I want more data, and also, you know,	16:41:33 <b>22</b> room.
16:39:31 <b>23</b> I'd say if you Well, let me pause for a second.	16.41:33 <b>23 A.</b> Often far away, yeah.
16:39:37 <b>24</b> I'm trying to I'm getting a little tired, I think.	16.41:34 <b>24 Q.</b> Okay. And it is it has tubes that carry
16.39.40 <b>25 Q.</b> Let me withdraw the Let me make it a	16.41.40 <b>25</b> water to either heat or cool down the patient;
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326	328
16:39:41 <b>1</b> little bit easier, okay, because I know it's a lot of	16.41.42 <b>1</b> correct?
16:39:44 <b>2</b> thinking.	16.41.43 <b>2 A.</b> Yes.
16:39:44 <b>3</b> For example, if Darouiche came out and came	16.41.43 <b>3 Q.</b> Okay. And the water is
A up with did the same avest study and showed as	A Itle a closed systems, soweet?
<b>F</b> 1.11 1.1 0FULL 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1	A
Consideration and built a total to Constitute and the constitute and the	
The second Constitution of the second beautiful at	'01
16:39:58 <b>8</b> indicated that it's irrelevant; correct?	
16:40:01 <b>9 A.</b> If a	16:41:55 <b>9 A.</b> Yeah, not the tank of water.
MR. COREY GORDON: Object to the form of	16:41:57 <b>10 Q.</b> Which is the tank
16:40:02 <b>11</b> the question, incomplete hypothetical.	16.41:58 11 A. I'm sorry.
<b>A.</b> If a new study came out, much bigger and	Q the tank's in the corner of the operating
showed there's nothing going on, yeah, I think that	16.42:00 <b>13</b> room; correct?
16:40:09 <b>14</b> would be the end, or or certainly close.	16.42:01 <b>14 A.</b> The tank is, yeah.
<b>Q.</b> My point is, further study is needed;	16.42:02 <b>15 Q.</b> Okay. But the
16:40:17 <b>16</b> correct?	16.42.02 <b>16 A.</b> And they have
16:40:18 <b>17 A.</b> For sure.	16:42:02 <b>17 Q.</b> tube is closed; correct?
16:40:19 <b>18 Q.</b> Okay. And the reason why you think further	16:42:05 <b>18 A.</b> tubes that tubes are closed.
16:40:21 <b>19</b> study is needed, because you can't exclude the fact	16:42:07 <b>19 Q.</b> Okay. And it might not there might be
16:40:23 <b>20</b> the scenario that if you increase 10 micron particles	16:42:08 <b>20</b> some leaks or some vapor inside the the
over the surgical site it would have no effect on	16:42:11 <b>21</b> heater-cooler unit; correct?
16:40:32 <b>22</b> periprosthetic joint infections.	MR. COREY GORDON: Object to the form of
16:40:33 <b>23 A.</b> I've seen	16.42:14 <b>23</b> the question.
MR. COREY GORDON: Object to the form of	A. You're talking about above the tank of
16:40:36 <b>25</b> the question, incomplete hypothetical.	16.42:16 <b>25</b> water?
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	329		331
	_	4	_
16:42:16	<b>—</b> • • • • • • • • • • • • • • • • • • •	16:45:01	A. It In some studies they found bacteria.
16:42:18	the tank is, it might there might not be fully	16:45:04 2	It's not sterile.
16:42:22 3	closed or there might be some leakage or vapor.	16:45:05	Q. Okay. And it can't be cleaned; correct?
16:42:24 4	MR. COREY GORDON: Object to the form of	16:45:08 4	MR. COREY GORDON: Object to the form of
16:42:25 <b>5</b>	the question, also lack of foundation.	16:45:09 <b>5</b>	the question, lack of foundation.
16:42:26 6	Q. Let me ask you this. Why do you Why do	16:45:10 6	<b>A.</b> I've read that, but I don't know, I mean.
16:42:28 7	you not think it's a closed system at the	16:45:13 7	<b>Q.</b> Well you've seen the device; correct?
16:42:32	heater-cooler device?	16:45:14	<b>A.</b> Yeah. I have.
16:42:32 <b>9</b>	A. Well, I mean, you just open up the thing a	16:45:16 9	Q. Are you aware of anyone that's ever cleaned
16:42:34 10	little bit, I had the perfusionist show me this when	16:45:18 10	the inside of the hose of a Bair Hugger?
16:42:38 11	they started to have infections about a year and a	16:45:21 11	MR. COREY GORDON: Inside of the hose?
16:42:40 12	half ago, and you can just see this big tank of water.	16:45:22 12	MR. ASSAAD: Inside the hose.
16:42:43 13	Q. Okay. And what do you see?	16:45:23 13	MR. COREY GORDON: Object to the form of
16:42:45 14	A. And there's a fan right behind it, yeah.	16:45:24 14	the question, lack of foundation.
16:42:47 15	Q. Okay. And And you're saying the fan is	16:45:25 15	<b>A.</b> Oh, inside the hose. You're not talking
16:42:50 16	blowing the water?	16:45:27 16	about the you know, the blower itself?
16:42:51 17	<b>A.</b> It's blowing above the water.	16:45:30 17	Q. The blow
16:42:53 18	Q. Okay. And what does that cause?	16:45:31 18	or the blower or anything.
16:42:54 19	A. Aerosol.	16:45:32 19	A. Well Bernard, in his study, said he did it
16:42:54 19	Q. Aerosol that could be contaminated?	16:45:32 <b>19</b> 16:45:35 <b>20</b>	because he thought it was important.
16:42:58 21		16:45:35 20	
16:42:58 <b>2 1</b> 16:43:01 <b>22</b>	,	16:45:38 <b>2 1</b> 16:45:40 <b>22</b>	<b>Q.</b> Okay. But have you looked at the operating room manual?
	contained Mycobacterium chimaera.		_
16:43:01 23	Q. Okay. And it actually reached the patient;	16:45:42 23	A. Have I looked
16:43:09 24	correct?	16:45:43 24	Q. Yeah.
16:43:09 <b>25</b>	(Interruption by the reporter.)	16:45:43 <b>25</b>	A. Oh, no. I haven't looked at that, no.
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			CONTIDENTIAL - CODUCT TO TROTECTIVE ORDER
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16:43:09 1	330 <b>Q.</b> And it actually reached the patient;	16:45:45 <b>1</b>	
16:43:09 <b>1</b> 16:43:12 <b>2</b>	_	16:45:45 <b>1</b> 16:45:46 <b>2</b>	332
	<b>Q.</b> And it actually reached the patient;	_	332 <b>Q.</b> Why not?
16:43:12 2	<b>Q.</b> And it actually reached the patient; correct?	16:45:46 2	Q. Why not? A. I think I had enough to do I guess trying to
16:43:12 <b>2</b> 16:43:12 <b>3</b>	<ul><li>Q. And it actually reached the patient;</li><li>correct?</li><li>A. It did.</li></ul>	16:45:46 <b>2</b> 16:45:50 <b>3</b>	Q. Why not? A. I think I had enough to do I guess trying to get this report together, and
16:43:12 <b>2</b> 16:43:12 <b>3</b> 16:43:12 <b>4</b>	<ul> <li>Q. And it actually reached the patient;</li> <li>correct?</li> <li>A. It did.</li> <li>Q. And so it was an airborne contamination that</li> </ul>	16:45:46 <b>2</b> 16:45:50 <b>3</b> 16:45:53 <b>4</b>	Q. Why not? A. I think I had enough to do I guess trying to get this report together, and Q. You spent over 300 hours, why not spend
16:43:12 <b>2</b> 16:43:12 <b>3</b> 16:43:12 <b>4</b> 16:43:15 <b>5</b>	<ul> <li>Q. And it actually reached the patient;</li> <li>correct?</li> <li>A. It did.</li> <li>Q. And so it was an airborne contamination that caused the infection to the patient; correct?</li> </ul>	16:45:46 <b>2</b> 16:45:50 <b>3</b> 16:45:53 <b>4</b> 16:45:56 <b>5</b>	Q. Why not? A. I think I had enough to do I guess trying to get this report together, and Q. You spent over 300 hours, why not spend another hour on the report or looking at the
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	335
16:50:15 <b>1</b>	remain?
16:50:16 2	<b>Q.</b> Yes.
16:50:17 3	A. No, I'm not. As long as the patients are
	warm, I think they'll probably do okay.
_	Q. So just so I understand, you're not here
	advocating that the Bair Hugger device is better than
_	the Mistral device; correct?
	<b>A.</b> Actually is that the one that's just been
	tested by Kurz; is that the Cleveland Clinic?
	Q. Yes.
	<b>A.</b> Yeah. Actually they look like they were the
	same, but there's actually, as you know, a lower rate
	with the Bair Hugger than with the HEPA filter
	forced-air warming, it's .44 versus .74 I think.
	_
	Q. Okay. Any criticism of that study?
	<b>A.</b> It was a remarkably robust study. You're
	talking about 5,000 patients and they did something,
	you know, and they have the part of their prospective
	cohort, and they did multivariate analysis and they
	looked at comorbidities. So a huge study. And with
	the Bair Hugger a rate of .44, which I think is
	percent, that's as good as anywhere in the world.
	<b>Q.</b> Well that's similar to what McGovern did,
	isn't it? He just They stopped using one product,
16:51:23 <b>25</b>	then used another and they did a comparison; correct?
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!	CONFIDENTIAL - SUBJECT TO PROTECTIVE ORDER
	336  Nooh He left out all the issues related to
_	<b>A.</b> Yeah. He left out all the issues related to
	confounding and bias, and
4	Q. In the Cleveland Clinic study; correct?
16:51:31 4	<b>A.</b> No, no. The Cleveland Clinic has all the
_	they have a multivariate analysis before they put out
_	their report.
_	Q. Did they look at their infection rates
_	overall during the time periods of 2013 and 2015?
16:51:42	<b>A.</b> Did they do what?
4.0	-
16:51:43 10	<b>Q.</b> Did they look at the infection rates
16:51:45 11	<b>Q.</b> Did they look at the infection rates overall, over all surgeries?
16:51:45 <b>11</b> 16:51:49 <b>12</b>	<ul><li>Q. Did they look at the infection rates</li><li>overall, over all surgeries?</li><li>A. Umm</li></ul>
16:51:45 <b>11</b> 16:51:49 <b>12</b> 16:51:49 <b>13</b>	<ul> <li>Q. Did they look at the infection rates overall, over all surgeries?</li> <li>A. Umm</li> <li>Q. Do you know that, whether or not, whether</li> </ul>
16:51:45 <b>11</b> 16:51:49 <b>12</b> 16:51:49 <b>13</b> 16:51:51 <b>14</b>	<ul> <li>Q. Did they look at the infection rates overall, over all surgeries?</li> <li>A. Umm</li> <li>Q. Do you know that, whether or not, whether they did that?</li> </ul>
16:51:45 11 16:51:49 12 16:51:49 13 16:51:51 14 16:51:51 15	<ul> <li>Q. Did they look at the infection rates overall, over all surgeries?</li> <li>A. Umm</li> <li>Q. Do you know that, whether or not, whether they did that?</li> <li>A. This is I think it was all prosthetic</li> </ul>
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16:51:45 11 16:51:49 12 16:51:49 13 16:51:51 14 16:51:51 15 16:51:53 16 16:51:56 17 16:51:57 18 16:51:58 19 16:51:59 20	<ul> <li>Q. Did they look at the infection rates overall, over all surgeries?</li> <li>A. Umm</li> <li>Q. Do you know that, whether or not, whether they did that?</li> <li>A. This is I think it was all prosthetic joint is what I recall, Kurz.</li> <li>Q. You understand that Cleveland Clinic's a teaching hospital; correct?</li> <li>A. It is.</li> <li>Q. And they have a lot of residents; correct?</li> </ul>
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16:51:45 11 16:51:49 12 16:51:49 13 16:51:51 14 16:51:51 15 16:51:53 16 16:51:56 17 16:51:57 18 16:51:58 19 16:51:59 20	<ul> <li>Q. Did they look at the infection rates overall, over all surgeries?</li> <li>A. Umm</li> <li>Q. Do you know that, whether or not, whether they did that?</li> <li>A. This is I think it was all prosthetic joint is what I recall, Kurz.</li> <li>Q. You understand that Cleveland Clinic's a teaching hospital; correct?</li> <li>A. It is.</li> <li>Q. And they have a lot of residents; correct?</li> </ul>
16:51:45 11 16:51:49 12 16:51:49 13 16:51:51 14 16:51:51 15 16:51:53 16 16:51:56 17 16:51:57 18 16:51:58 19 16:51:58 20 16:52:01 21	<ul> <li>Q. Did they look at the infection rates overall, over all surgeries?</li> <li>A. Umm</li> <li>Q. Do you know that, whether or not, whether they did that?</li> <li>A. This is I think it was all prosthetic joint is what I recall, Kurz.</li> <li>Q. You understand that Cleveland Clinic's a teaching hospital; correct?</li> <li>A. It is.</li> <li>Q. And they have a lot of residents; correct?</li> <li>A. Correct.</li> <li>Q. And infection rates may depend on the attending and the residents; correct?</li> </ul>
16:51:45 11 16:51:49 12 16:51:49 13 16:51:51 14 16:51:51 15 16:51:53 16 16:51:56 17 16:51:57 18 16:51:58 19 16:51:59 20 16:52:01 21 16:52:01 22	<ul> <li>Q. Did they look at the infection rates overall, over all surgeries?</li> <li>A. Umm</li> <li>Q. Do you know that, whether or not, whether they did that?</li> <li>A. This is I think it was all prosthetic joint is what I recall, Kurz.</li> <li>Q. You understand that Cleveland Clinic's a teaching hospital; correct?</li> <li>A. It is.</li> <li>Q. And they have a lot of residents; correct?</li> <li>A. Correct.</li> <li>Q. And infection rates may depend on the</li> </ul>
16:51:45 11 16:51:49 12 16:51:49 13 16:51:51 14 16:51:51 15 16:51:51 16 16:51:51 18 16:51:52 19 16:51:59 20 16:52:01 21 16:52:01 22 16:52:01 23	<ul> <li>Q. Did they look at the infection rates overall, over all surgeries?</li> <li>A. Umm</li> <li>Q. Do you know that, whether or not, whether they did that?</li> <li>A. This is I think it was all prosthetic joint is what I recall, Kurz.</li> <li>Q. You understand that Cleveland Clinic's a teaching hospital; correct?</li> <li>A. It is.</li> <li>Q. And they have a lot of residents; correct?</li> <li>A. Correct.</li> <li>Q. And infection rates may depend on the attending and the residents; correct?</li> </ul>
16:51:45 11 16:51:49 12 16:51:49 13 16:51:51 14 16:51:51 15 16:51:51 16 16:51:56 17 16:51:57 18 16:51:58 19 16:51:58 20 16:52:01 21 16:52:01 22 16:52:01 23 16:52:03 23 16:52:05 24	<ul> <li>Q. Did they look at the infection rates overall, over all surgeries?</li> <li>A. Umm</li> <li>Q. Do you know that, whether or not, whether they did that?</li> <li>A. This is I think it was all prosthetic joint is what I recall, Kurz.</li> <li>Q. You understand that Cleveland Clinic's a teaching hospital; correct?</li> <li>A. It is.</li> <li>Q. And they have a lot of residents; correct?</li> <li>A. Correct.</li> <li>Q. And infection rates may depend on the attending and the residents; correct?</li> <li>A. There's some data for that, sure.</li> </ul>
	16:50:16

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16.52:08 <b>1 A.</b> Yeah.	16:53:31 <b>1</b>	A. What?
18:52:09 <b>2 Q.</b> And they didn't look at, you know, using the	16:53:32	Q. What other data did you see?
16.52:11 3 Mistral and the Bair Hugger at the same time, they	16:53:34	A. Besides what?
16.52:13 <b>4</b> looked at at different time periods; correct?	16:53:35	Q. I mean, what data did you see about that
F A The Alle Annua		study with respect to the the Cleveland Clinic
Continue and the different behavior and delice		study besides the poster?
7 No	_	A. Well I'm not sure I saw anything, but I
0 A VI-		• •
0 0 0:00	_	thought I saw an expanded poster, I guess. I don't I don't know.
16.52:20 <b>10 A.</b> Yeah.	16:53:51 10	Q. Is it in your box of documents?
16.52:20 <b>11 Q.</b> Okay. There could be different skin preps	16:53:55 11	A. I hope so.
during those times in those two years?	16:54:00 12	MS. ZIMMERMAN: I didn't see it. I could
A. Yeah, I don't know the answer to that.		be wrong.
16:52:30 <b>14 Q.</b> Exactly. We don't know the answer to that,	16:54:02 14	THE WITNESS: Yeah, I'm sorry.
16.52:32 <b>15</b> do we? Okay.	16:54:03 15	MS. ZIMMERMAN: No. No. That's all right.
16.52:34 <b>16 A.</b> I don't. Somebody might.	16:54:05 16	<b>Q.</b> By the way, are there are there documents
16.52:35 <b>17 Q.</b> We agree that		that you did not print up that you looked on that
16.52:37 <b>18</b> Could you agree with me that the difference	16:54:09 18	you have on your computer?
16:52:38 <b>19</b> was not statistically significant?	16:54:11 19	<b>A.</b> No.
16:52:40 <b>20 A.</b> Correct.	16:54:12 20	<b>Q.</b> So every document you reviewed you printed
Q. Okay. You're not offering those criticisms	16:54:15 <b>21</b>	up and highlighted or have done something with it.
16:52:44 <b>22</b> for for that study; are you?	16:54:16 22	A. Yeah. I don't like to read stuff on the
A. No. I would tell you right away exactly the	16:54:19 23	computer.
16:52:47 <b>24</b> data.	16:54:19 <b>24</b>	<b>Q.</b> Okay.
16.52:48 <b>Q.</b> But you're not offering, so I had to	16:54:19 <b>25</b>	<b>A.</b> I'm old.
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16:52:52 <b>1</b> actually pull them out of you; correct?	16:54:26 1	MR. COREY GORDON: Gabe, I'll just
16:52:53 <b>2 A.</b> Well I gave		represent, he hasn't the only thing he's seen is
MR. COREY GORDON: Object to the form of	16:54:30 3	what was attached to Mont's report. There is no
16:52:55 <b>4</b> the question.	16:54:32	however you want to characterize it, there's no other
16:52:55 <b>5 Q.</b> Right?		data that he or I or anyone connected with the
16:52:55 <b>6 A.</b> I was trying I mean I was trying to get	16:54:38 6	plaintiffs or with the with this litigation has
your answer to, you know, is there any difference	16:54:40 7	seen.
16:52:58 <b>8</b> between the two devices.	16:54:45 8	<b>Q.</b> So you're sitting here advocating for the
<b>Q.</b> And we haven't seen we haven't looked at	16:54:48 9	Bair Hugger as a better device than the Mistral?
16:53:03 <b>10</b> the	16:54:51 10	<b>A.</b> I'm not advocating for them. I'm saying
This is just the poster presentation;	16:54:54 11	that after review of the literature I've come to the
16:53:05 <b>12</b> correct?	16:54:56 12	conclusion that the Bair Hugger is not linked in any
16:53:07 <b>13 A.</b> Yeah.	16:54:59 13	way to harm.
16:53:08 <b>14 Q.</b> Have you seen the manuscript?	16:55:03 14	Q. Okay. And what about I mean Strike
16:53:10 <b>A.</b> I think I've seen the manuscript, I'm trying	16:55:07 15	that.
16:53:12 <b>16</b> to remember, or at least a draft of something. It	16:55:08 16	But with respect to patient warming, as long
16:53:15 <b>17</b> might be just an enlarged poster.	16:55:13 17	as the patient is kept warm, you don't care what
16:53:18 <b>18 Q.</b> Well which was it? Did you see		method is used; correct?
16:53:19 <b>19</b> I want to talk either about the manuscript	16:55:18 19	<b>A.</b> Right now I think there are no data to show
		that if the patients are warmed by anything else,
16:53:21 <b>20</b> or the poster. Which one you want to talk about?	16:55:21 <b>20</b>	
,		particularly after the Kurz study, you have that
<b>A.</b> Let's talk about the poster is fine.	16:55:24 <b>21</b>	particularly after the Kurz study, you have that warmer as an additional one. It looked the same.
A. Let's talk about the poster is fine.  Q. Have you looked at the manuscript?	16:55:24 <b>21</b> 16:55:27 <b>22</b>	warmer as an additional one. It looked the same.
A. Let's talk about the poster is fine.  Q. Have you looked at the manuscript?  A. I think I saw more data than just the	16:55:24 <b>21</b> 16:55:27 <b>22</b> 16:55:31 <b>23</b>	warmer as an additional one. It looked the same.  Q. Which warmer?
A. Let's talk about the poster is fine.  Q. Have you looked at the manuscript?  A. I think I saw more data than just the poster, yeah.	16:55:24 <b>21</b> 16:55:27 <b>22</b> 16:55:31 <b>23</b> 16:55:31 <b>24</b>	warmer as an additional one. It looked the same.  Q. Which warmer?  A. The HEPA the forced-air warmer. So
A. Let's talk about the poster is fine.  Q. Have you looked at the manuscript?  A. I think I saw more data than just the poster, yeah.  Q. Okay. What data else did you see?	16:55:24 <b>21</b> 16:55:27 <b>22</b> 16:55:31 <b>23</b> 16:55:31 <b>24</b>	warmer as an additional one. It looked the same.  Q. Which warmer?  A. The HEPA the forced-air warmer. So that's probably the best data I could point to.
A. Let's talk about the poster is fine.  Q. Have you looked at the manuscript?  A. I think I saw more data than just the poster, yeah.	16:55:24 <b>21</b> 16:55:27 <b>22</b> 16:55:31 <b>23</b> 16:55:31 <b>24</b>	warmer as an additional one. It looked the same.  Q. Which warmer?  A. The HEPA the forced-air warmer. So

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17:06:31 <b>1</b> study; correct?
17:06:32 <b>2 A.</b> The clinical arm.
<b>0 0 V 0 W W 0 W W 0 W W 0 W W 0 W W 0 W W W W W W W W W W</b>
A Vanla Van
17:06:37 <b>Q.</b> And you go on for about, from page 62 to
17:06:48 <b>6</b> page 68; correct?
17:06:50 <b>7 A.</b> Let me see. Yes.
17.06.56 <b>8 Q.</b> You did not do a critical critique of any
17:07:02 <b>9</b> other study that that you looked at, such as you
17:07:07 <b>10</b> did with the McGovern study; correct?
17:07:09 <b>11 A.</b> That's probably true.
17:07:10 <b>12 Q.</b> Okay. You didn't do any critiques of
17:07:14 <b>13</b> (Cell phone interruption.)
17:07:19 <b>14</b> MR. COREY GORDON: Sorry.
17:07:19 <b>15 Q.</b> the Sessler study we just looked at;
17:07:22 <b>16</b> correct?
17:07:22 <b>17 A.</b> True.
17:07:23 <b>18 Q.</b> You didn't do any critical critiques of the
17:07:25 <b>19</b> Huang study; correct?
17:07:26 <b>20 A.</b> Yeah.
17:07:26 <b>21 Q.</b> Okay. Or the Moretti study; correct?
17:07:32 <b>22 A.</b> Yes.
17:07:32 <b>23 Q.</b> Okay. But you decided to have a meeting
17:07:36 <b>24</b> with Dr. Borak and Dr. Holford and yourself to discuss
17:07:42 <b>25</b> the McGovern study; correct?
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17:07:44 <b>1</b> MR. COREY GORDON: Object to the form of
17:07:47 <b>2</b> the question.
17:07:47 <b>3 A.</b> I mean, I was told asked to come to a
17:07:49 <b>4</b> meeting to meet them. That's really what there was,
17:07:51 <b>5</b> and we did discuss the study, yes, very much.
17:07:53 <b>6 Q.</b> How long did you
17:07:55 <b>7</b> It was the majority of your discussions;
17:07:56 <b>8</b> correct?
17:07:57 <b>9 A.</b> Probably, yeah.
17:07:58 <b>10 Q.</b> Okay. And you all got together and figured
17:08:01 <b>11</b> out a way to discredit the McGovern study; correct?
17:08:03 <b>12</b> MR. COREY GORDON: Object to the form of
17:08:04 <b>13</b> the question.
17:08:04 <b>14 A.</b> I don't know if I would have used that term.
17:08:06 <b>15</b> To look at it critically.
•
17:08:09 <b>16 Q.</b> To look at the study critically; correct? <b>A.</b> Yes. Yeah.
17:08:17 <b>18 Q.</b> And let me ask you this. Prior to agreeing
to be an expert in this case did you look at the
17:08:23 <b>20</b> McGovern study?
17:08:25 <b>21 A.</b> No. I don't think I
17:08:27 <b>22 Q.</b> Okay.
17:08:28 <b>23 A.</b> knew about it.
17:08:29 <b>24 Q.</b> Did you
17:08:29 <b>24 Q.</b> Did you 17:08:30 <b>25</b> Did you do any research to determine whether
17:08:29 <b>24 Q.</b> Did you

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17:08:32 1	or not you agreed with the with the defense in this	17:10:29	the risks of periprosthetic surgical periprosthetic
17:08:35 2	case before you agreed to be an expert?	17:10:33 2	joint infection?
17:08:39 3	A. I spent no, just a couple of days, you	17:10:33 3	<b>A.</b> You talking about generally, or in the first
17:08:42 4	know. So I told you the one thing was the timing	17:10:35 4	case, or what?
17:08:44 <b>5</b>	was good, it was interesting, it was a single case.	17:10:36 <b>5</b>	Q. In the life of Dr. Wenzel.
17:08:50 6	And I thought, well, you know, it might be interesting	17:10:41 6	MR. COREY GORDON: Object to the form of
17:08:53 7	to look at this, particularly if you're really just	17:10:41 7	the question.
17:08:57	asked to learn and they pay you to learn, and that's	17:10:44 8	A. I don't know exactly when, but towards the
17:09:01 9	how I thought about it.	17:10:47 9	time of my report on on the first case I said I
17:09:03 10	Q. Well they didn't pay you to learn, they paid	17:10:51 10	couldn't find any information that would really link
17:09:05 11	you to be an expert for them in this case.	17:10:55 11	that infection to the Bair Hugger. Got more
17:09:08 12	MR. COREY GORDON: Object to the form of	17:10:59 12	complicated, as you know, very quickly, and I was
17:09:08 13	the question, lack of foundation, mischaracterizes	17:11:03 13	surprised how how how the numbers grew.
17:09:10 14	the evidence.	17:11:07 14	<b>Q.</b> Assuming that the majority of periprosthetic
17:09:11 15	Q. It's your understanding that 3M hired you	17:11:18 15	joint infections are caused by airborne contamination,
17:09:13 16	just to learn?	17:11:25 16	would that affect your opinions in this case?
17:09:15 17	<b>A.</b> 3M didn't hire me.	17:11:27 17	MR. COREY GORDON: Object to the form of
17:09:17 18	Q. The attorneys representing	17:11:29 18	the question, incomplete hypothetical, assumes facts
17:09:19 19	<b>A.</b> The attorneys did, yeah.	17:11:32 19	not in evidence.
17:09:20 <b>20</b>	Q. And who do you think was paying the	17:11:33 20	<b>A.</b> It's hard for me to answer that because it's
17:09:22 <b>21</b>	attorneys?	17:11:37 21	not only a hypothetical, it's something that I just
17:09:23 <b>22</b>	<b>A.</b> 3M.	17:11:38 22	can't find any data for. I don't agree with
17:09:23 23	Q. Okay. So it's your opinion that 3M or the	17:11:41 23	<b>Q.</b> I understand that.
17:09:27 24	attorneys hired you just to learn?	17:11:42 24	But just assume, and I'm allowed to ask you
17:09:28 <b>25</b>	<b>A.</b> No. You just asked me why I sort of got	17:11:45 <b>25</b>	hypotheticals to test your your methodology and
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17:09:32	346 involved, because this is really why.	17:11:47	348 basis.
17:09:34 2	involved, because this is really why.  Q. Okay.	17:11:47 <b>2</b>	basis. <b>A.</b> Umm-hmm.
17:09:34 <b>2</b> 17:09:34 <b>3</b>	<ul><li>346</li><li>involved, because this is really why.</li><li>Q. Okay.</li><li>A. To get a task where you're actually</li></ul>	17:11:47 <b>2</b> 17:11:48 <b>3</b>	basis.  A. Umm-hmm.  Q. Assume that a hundred percent of
17:09:34 <b>2</b> 17:09:34 <b>3</b> 17:09:37 <b>4</b>	involved, because this is really why.  Q. Okay.  A. To get a task where you're actually reviewing the literature and getting paid for it	17:11:47 <b>2</b> 17:11:48 <b>3</b> 17:11:54 <b>4</b>	basis.  A. Umm-hmm.  Q. Assume that a hundred percent of periprosthetic joint infections are caused by airborne
17:09:34 <b>2</b> 17:09:34 <b>3</b> 17:09:37 <b>4</b> 17:09:40 <b>5</b>	involved, because this is really why.  Q. Okay.  A. To get a task where you're actually reviewing the literature and getting paid for it  Q. Well	17:11:47 <b>2</b> 17:11:48 <b>3</b> 17:11:54 <b>4</b> 17:11:57 <b>5</b>	basis.  A. Umm-hmm. Q. Assume that a hundred percent of periprosthetic joint infections are caused by airborne contamination in the operating room. Would that
17:09:34 <b>2</b> 17:09:34 <b>3</b> 17:09:37 <b>4</b> 17:09:40 <b>5</b> 17:09:41 <b>6</b>	involved, because this is really why.  Q. Okay.  A. To get a task where you're actually reviewing the literature and getting paid for it  Q. Well  A as well, so.	17:11:47 <b>2</b> 17:11:48 <b>3</b> 17:11:54 <b>4</b> 17:11:57 <b>5</b> 17:12:00 <b>6</b>	basis.  A. Umm-hmm.  Q. Assume that a hundred percent of periprosthetic joint infections are caused by airborne contamination in the operating room. Would that affect your opinion whether or not the Bair Hugger
17:09:34 <b>2</b> 17:09:34 <b>3</b> 17:09:37 <b>4</b> 17:09:40 <b>5</b> 17:09:41 <b>6</b> 17:09:42 <b>7</b>	involved, because this is really why.  Q. Okay.  A. To get a task where you're actually reviewing the literature and getting paid for it  Q. Well  A as well, so. Q you charged \$300,000 or in this case;	17:11:47	basis.  A. Umm-hmm.  Q. Assume that a hundred percent of periprosthetic joint infections are caused by airborne contamination in the operating room. Would that affect your opinion whether or not the Bair Hugger increases the risk of periprosthetic joint infections?
17:09:34	involved, because this is really why.  Q. Okay.  A. To get a task where you're actually reviewing the literature and getting paid for it  Q. Well  A as well, so.  Q you charged \$300,000 or in this case; correct?	17:11:47	basis.  A. Umm-hmm.  Q. Assume that a hundred percent of periprosthetic joint infections are caused by airborne contamination in the operating room. Would that affect your opinion whether or not the Bair Hugger increases the risk of periprosthetic joint infections?  A. So the data are the
17:09:34	involved, because this is really why.  Q. Okay.  A. To get a task where you're actually reviewing the literature and getting paid for it  Q. Well  A as well, so. Q you charged \$300,000 or in this case; correct?  A. Yeah.	17:11:47	basis.  A. Umm-hmm.  Q. Assume that a hundred percent of periprosthetic joint infections are caused by airborne contamination in the operating room. Would that affect your opinion whether or not the Bair Hugger increases the risk of periprosthetic joint infections?  A. So the data are the  MR. COREY GORDON: Same objections.
17:09:34	involved, because this is really why.  Q. Okay.  A. To get a task where you're actually reviewing the literature and getting paid for it  Q. Well  A as well, so. Q you charged \$300,000 or in this case; correct?  A. Yeah.	17:11:47	basis.  A. Umm-hmm.  Q. Assume that a hundred percent of periprosthetic joint infections are caused by airborne contamination in the operating room. Would that affect your opinion whether or not the Bair Hugger increases the risk of periprosthetic joint infections?  A. So the data are the
17:09:34	involved, because this is really why.  Q. Okay.  A. To get a task where you're actually reviewing the literature and getting paid for it  Q. Well  A as well, so. Q you charged \$300,000 or in this case; correct?  A. Yeah. Q. Okay. And if you were not going to side	17:11:47	basis.  A. Umm-hmm.  Q. Assume that a hundred percent of periprosthetic joint infections are caused by airborne contamination in the operating room. Would that affect your opinion whether or not the Bair Hugger increases the risk of periprosthetic joint infections?  A. So the data are the  MR. COREY GORDON: Same objections.  THE WITNESS: Yeah. I'm sorry.
17:09:34	involved, because this is really why.  Q. Okay.  A. To get a task where you're actually reviewing the literature and getting paid for it  Q. Well  A as well, so.  Q you charged \$300,000 or in this case; correct?  A. Yeah.  Q. Okay. And if you were not going to side with the defendant with respect to what their position	17:11:47	basis.  A. Umm-hmm.  Q. Assume that a hundred percent of periprosthetic joint infections are caused by airborne contamination in the operating room. Would that affect your opinion whether or not the Bair Hugger increases the risk of periprosthetic joint infections?  A. So the data are the  MR. COREY GORDON: Same objections.  THE WITNESS: Yeah. I'm sorry.  A. The data are the same whatever the
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CONFIDENTIAL - SUBJECT TO PROTECTIVE ORDER 349  17:12:52  1 McGovern, and I would go through the McGovern study as critically as I did regardless of what assumption.  Q. Well you agree with me that Strike that.	351 <b>Q.</b> Still the same assumption that
17:12:52  1 McGovern, and I would go through the McGovern study as critically as I did regardless of what assumption.  Q. Well you agree with me that Strike that.	17:15:07 <b>1 Q.</b> Still the same assumption that
2 critically as I did regardless of what assumption.  17:12:58  2 critically as I did regardless of what assumption.  Q. Well you agree with me that Strike that.	
<b>Q.</b> Well you agree with me that Strike that.	17:15:09 <b>2</b> periprosthetic infections are caused by airborne
· -	17:15:11 <b>3</b> contamination.
17:13:09 <b>4</b> You're aware of the Legg studies; correct?	17:15:12 <b>4 A.</b> Yeah.
17:13:13 <b>5 A.</b> Yeah.	17:15:12 <b>5 Q.</b> Okay. If the Bair Hugger increases the
17:13:14 <b>6 Q.</b> The particle and the neutrally buoyant	17:15:15 <b>6</b> bacterial load over the surgical site, would that
7 1 11 1 111 12	<b>7</b> 66 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
•	
turned on particles and helium bubbles increase over	,
17:13:23 11 the surgical site; correct?	17:15:33 11 Q. Similar to what Darouiche did but a much
17:13:26 <b>12 A.</b> Yeah.	17:15:34 12 bigger study.
17:13:26 13 Q. Okay. And you're aware of the McGovern	17:15:35 <b>13 A.</b> Much bigger.
17:13:29 14 study also did a neutrally buoyant bubble test;	17:15:36 <b>14 Q.</b> Okay. So if you could link CFUs to
17:13:32 <b>15</b> correct?	17:15:41 <b>15</b> infections and the Bair Hugger increased the CFUs over
17:13:32 <b>16</b> A. Yes, I think that's right.	the surgical site, that would affect your opinions of
<b>Q.</b> Okay. And you're aware of the Sessler	whether or not the Bair Hugger increased the risk of
study, and if you looked at the raw data it would show	17:15:49 <b>18</b> periprosthetic joint infections.
an increase in particles.	17:15:51 <b>19 A.</b> Well in this hypothetical I'd want to know
MR. COREY GORDON: Object to the form of	17:15:52 <b>20</b> whether the whatever the assumptions were,
the question, mischaracterizes the evidence.	17:15:56 <b>21</b> including a hundred percent of infections from the
A. So bubbles and particles	air, does the Bair Hugger actually increase
(Interruption by the reporter.)	17:16:01 <b>23</b> infections.
Q. Okay. Bubbles and particles?	17:16:01 <b>24 Q.</b> Well assume
A. Bubbles and particles are surrogate markers	17:16:01 <b>25 A.</b> That's the key question, not bubbles or
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350	352
for the real infection, and there were times when the	17:16:05 <b>1</b> particles.
2 Bair Hugger was on where the particles went up, the	17:16:06 <b>Q.</b> So are you dismissing Darouiche's article?
heat went up, the bubbles went up, yes.	17:16:08 <b>3 A.</b> No.
Q. Okay. So assuming that airborne	17:16:08 <b>4 Q.</b> Okay.
17:14:05 <b>5</b> contamination is Strike that.	17:16:09 <b>5 A.</b> I'd say that he said there is no causal
Assuming that with all these studies	17:16:12 <b>6</b> relationship that he can identify here. You need a
7 regarding increased particles, increased bubbles,	17:16:15 <b>7</b> much bigger study.
okay, take into consideration Stocks' particle study	17:16:17 <b>8 Q.</b> That's
and Darouiche's CFU study and periprosthetic joint	17:16:19 <b>9</b> You think he said there was no causal
17:14:20 <b>10</b> infections, and assume that periprosthetic joint	17:16:19 <b>10</b> relationship?
infections are caused by airborne contamination.	17:16:20 <b>11 A.</b> I thought he he said that this isn't
17:14:30 <b>12</b> Would that affect your opinions in this case of	17:16:23 <b>12</b> definite cause-and-effect. If I'm wrong, let me see
17:14:33 <b>13</b> whether or not the Bair Hugger increases	17:16:26 <b>13</b> it.
17:14:34 <b>14</b> periprosthetic joint infections?	17:16:35 <b>14 Q.</b> But just so I understand, my hypothetical is
MR. COREY GORDON: Object to the form of	17:16:39 <b>15</b> inaccurate because it's your opinion that 90 percent
17:14:36 <b>16</b> the question, incomplete hypothetical, assumes facts	17:16:44 <b>16</b> of these periprosthetic joint infections are caused by
not in evidence.	17:16:48 <b>17</b> the patient's flora.
A. It's very hypothetical, and as I've told	17:16:49 <b>18 A.</b> Could be.
you, probably not because I would look at the McGovern	17:16:49 <b>19</b> MR. COREY GORDON: Object to the form of
17:14:45 <b>20</b> study as the key clinical study that you're pointing	17:16:52 <b>20</b> the question, mischaracterizes his testimony.
to for the efficacy, or for the saying what you did	A. I mean I I think we disagree. You know,
17:14:54 <b>22</b> about the Bair Hugger.	17:16:57 <b>22</b> I think that if you ask me where the origin of the
17:14:56 <b>23 Q.</b> So if the if if the Bair Hugger	17:16:59 <b>23</b> infections are, I think it's the microbiome in a high
17:15:01 <b>24</b> Let's make it even simpler.	17:17:05 <b>24</b> proportion of patients. It could be as high as 90.
17:15:00 <b>25 A.</b> Yeah.	17:17:08 <b>25 Q.</b> Okay. Could it be as low as 10 percent?
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17:17:10 <b>1</b>	A. No, I don't think so.	17:20:07 <b>1</b>	<b>A.</b> but there are a lot of reasons not to use	
17:17:11 2	Q. Greater than 50 percent?	17:20:08 <b>2</b>	that.	
17:17:14 <b>3</b>	<b>A.</b> Absolutely.	17:20:09 3	Q. Okay. Do you know what the difference in	
17:17:14 4	Q. Greater than 70 percent?	17:20:11 4	the reduction of periprosthetic infection rates	
17:17:14 5	A. Somewhere between 70 and 90.	17:20:14 5	between the two different types of antibiotics used in	
17:17:15 6	Q. Okay. One of your criticisms on McGovern is	17:20:16 6	McGovern?	
17:17:59 <b>/</b>	that you look you state that they changed antibiotics during the study period; correct?	17:20:17 <b>/</b>	MR. COREY GORDON: Object to the form of	
17:18:02 <b>8</b> 17:18:05 <b>9</b>	<b>A.</b> That's true.	17:20:18 <b>8</b> 17:20:18 <b>9</b>	the question. <b>A.</b> I think the	
17:18:07 10	Q. Okay. Did you look at the effect of the	17:20:10	Well they were either the same or might have	
17:18:15 11	prophylactic antibiotics gentamicin plus teicoplanin	17:20:24 11	been a little higher in fact with the teicoplanin	
17:18:22 12	as compared to just a I guess just the gentamicin	17:20:27 12	gent.	
17:18:25 13	that was used; correct?	17:20:27 13	<b>Q.</b> But do you know whether or not there was a	
17:18:26 14	A. Yes.	17:20:30 14	statistically significant difference	
17:18:27 15	<b>Q.</b> Did you look at it's effect in other studies	17:20:31 15	A. Don't know.	
17:18:29 16	with respect to periprosthetic joint infections?	17:20:32 16	Q between with respect to periprosthetic	
17:18:33 17	A. The comparison, you mean,	17:20:34 17	joint infections?	
17:18:33 <b>18</b> 17:18:35 <b>19</b>	<ul><li>Q. Yeah.</li><li>A in other studies?</li></ul>	17:20:34 <b>18</b> 17:20:35 <b>19</b>	<ul><li>A. No. I don't remember that.</li><li>Q. Okay. So it is possible, if there's no</li></ul>	
17:18:35 19	No, I don't think I didn't see any.	17:20:35 19	statistical significant difference between the	
17:18:38 21	<b>Q.</b> If other studies existed that indicate that	17:20:37 20	incident of periprosthetic joint infections with	
17:18:41 22	there was they were pretty much the same type of	17:20:42 <b>22</b>	different antibiotic regimes, it would not be a	
17:18:43 23	effect on periprosthetic joint infections, would you	17:20:45 23	confounding factor.	
17:18:45 <b>24</b>	agree with me that you could remove them as a	17:20:48 <b>24</b>	MR. COREY GORDON: Object to the form of	
17:18:48 25	confounding factor in the study?	17:20:48 <b>25</b>	the question, incomplete hypothetical.	
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17:18:49 <b>1</b>	MR. COREY GORDON: Object to the form of	17:20:50 <b>1</b>	A. You know, I'm always going to tell you	
17:18:52	the question.	17:20:52	things are possible.	
17:18:52 3	A. Well, I mean, first of all, no one would	17:20:55 3	Q. Well you're stating you're criticizing	
17:18:56 4	design a study where you're going to change three or	17:20:57 4	the study because they have switched the antibiotic	
17:18:59 <b>5</b>	four or five things. That's background. And the	17:21:03 <b>5</b>	prophylactic antibiotics during the study period;	
17:19:03 6	gentamicin, as you know, is primarily targeting	17:21:06	correct?	
17:19:06 7	gram-negatives and susceptible Staph, no MRSA,	17:21:06 7	A. That's true.	
17:19:12 <b>8</b> 17:19:15 <b>9</b>	probably very little of the coagulation negative Staph. And in, I think it was Reed's testimony, he	17:21:06 <b>8</b> 17:21:07 <b>9</b>	MR. COREY GORDON: Object to the form of the question.	
17:19:15 9	said it increased the return to hemodialysis units	17:21:07 <b>9</b> 17:21:07 <b>10</b>	<b>Q.</b> Do you have any evidence that that change in	
17:19:16	because of course those you're going to see more renal	17:21:07 10	the prophylactic antibiotics had an effect on the	
17:19:27 12	failure, increased pneumonias. And Reed at the end	17:21:11 12	infection rates of the periprosthetic joint	
17:19:35 13	said, you know, we're not going to go with this any	17:21:13 13	infections?	
17:19:35 14	more. If you add the teicoplanin you're going to get	17:21:14 14	<b>A.</b> If you hold the antibiotics and the	
17:19:39 15	coagulation negative Staph and you're going to get	17:21:17 15	thromboprophylaxis the same, the rates are one percent	
17:19:43 16	MRSA, as well Staph aureus, and, you know, in case	17:21:20 16	and one percent. Two with the confounders.	
17:19:47 17	you're at a hospital where they have VRE,	17:21:25 17	Q. My question is: Do you have any evidence	
17:19:51 <b>18</b> 17:19:54 <b>19</b>	vanc-resistant enterococcus, it's going to cover that.  I'm sorry. I'll take that away, it won't	17:21:26 <b>18</b> 17:21:32 <b>19</b>	that the change in prophylactics have an effect on periprosthetic joint infections	
17:19:54 19	cover that. The last one.	17:21:32 19	MR. COREY GORDON: Objection	
17:19:30 23	Q. Well I'm not really word worried about renal	17:21:32 21	Q in general?	
17:20:04 <b>22</b>	failure here, we're talking about periprosthetic joint	17:21:36 <b>22</b>	MR. COREY GORDON: Objection, asked and	
17:20:05 <b>23</b>	infection.	17:21:38 23	answered.	
17:20:05 <b>24</b>	A. No, I understand	17:21:38 <b>24</b>	A. That's the best I can offer you.	
17:20:05 <b>25</b>	Q. Okay.	17:21:39 <b>25</b>	Q. So you're looking at the McGovern study for	
			CHELMAIL V ACCIMINILE	
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1		357			359
17:21:43 <b>1</b>	vour opi	nion that the two different types of	17:25:42 <b>1</b>	Α.	
17:21:45 <b>2</b>	-	c regimes have an effect on periprosthetic	17:25:44 2	suspicio	
17:21:49 3	joint infe		17:25:45		Okay. So 3M has thousands of studies and
17:21:50 4	joine iiiie	MR. COREY GORDON: Object to the form of	17:25:54		ne on the Bair Hugger that they never
17:21:53 <b>5</b>	the gues		17:25:56 <b>5</b>		ed, so are they keeping stuff secret?
		I don't know that I would say it that way.		publishe	MR. COREY GORDON: Object to the form of
17:21:53 <b>b</b>	Λ.	I don't remember exactly when you look just	_	the gues	stion, assumes facts not in evidence.
17:21:58	a+ +b a a =		17:26:00	•	•
17:22:00		ntibiotic and all the other things are still	17:26:02		I don't know how to answer that. I mean,
17:22:02 9		what the rates were.	17:26:04 9		nd of studies are we talking about, were they
17:22:07 10		Well are you is there any article that	17:26:07 10		s looking for harm?
17:22:11 11	-	ewed in your 300-some hours of literature	17:26:10 11	_	Computational fluid dynamic studies.
17:22:17 12		o indicate that there is a difference in	17:26:12 12	A.	I don't know.
17:22:20 13		rates between the two antibiotic regimes	17:26:13 13		MR. COREY GORDON: Same objections, also
17:22:24 14	used in t	the McGovern study?	17:26:14 14		oundation.
17:22:25 15		MR. COREY GORDON: Object to the form of	17:26:15 15	Q.	Schlieren studies.
17:22:26 16	the ques	tion.	17:26:17 16		You know what Schlieren is?
17:22:26 17	A.	No. I don't have any study I can point to	17:26:19 17	Α.	No.
17:22:28 18	for that.		17:26:19 18	Q.	Calculations of whether or not the Bair
17:22:29 19	Q.	Okay. Were you aware of Strike that.	17:26:21 19	Hugger	disrupts laminar flow. Have you seen those?
17:23:20 20		Figure 13 you're referring to	17:26:23 <b>20</b>	A.	No.
17:23:32 21	A.	What page are you on?	17:26:24 <b>21</b>	Q.	Okay. So are they keeping all their studies
17:23:34 <b>22</b>	Q.	Oh, page 67. You're relying on what Dr.	17:26:33 <b>22</b>	secret?	
17:23:43 23	Borak pr	repared; correct?	17:26:33 23		MR. COREY GORDON: Object to the form of
17:23:44 24	A.	Yeah. He created the graph, so I used it.	17:26:35 24	the ques	stion, assumes facts not in evidence,
17:23:48 <b>25</b>	Q.	How many conversations did you have with Dr.	17:26:38 25	Α.	I don't know.
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17:23:50	Borak ar	nd Dr. Holford?	17:26:37 <b>1</b>		MR. COREY GORDON: lack of foundation.
17:23:52 2	A.	Besides the meeting, not at all with	17:26:43 2	Q.	Have you ever met Dr. Scott Augustine?
17:23:57 3	Holford,	and one conversation with Borak.	17:26:52 3	A.	Doctor who?
17:24:00 4	Q.	In the past year and a half?	17:26:53 4	Q.	Scott Augustine?
_				Œ.	Deote Hagasinie.
17:24:02 <b>5</b>	A.	The whole time that we've known each other.	17:26:54 <b>5</b>	Q. А.	No, I haven't.
17:24:02 <b>5</b> 17:24:05 <b>6</b>		The whole time that we've known each other.			No, I haven't.
	A. Q.	The whole time that we've known each other. Okay. Did you take notes during your	17:26:54 5	A. Q.	No, I haven't. Do you have an opinion of Dr. Scott
17:24:05 <b>6</b> 17:24:10 <b>7</b>	A. Q.	The whole time that we've known each other.	17:26:54 <b>5</b> 17:26:57 <b>6</b>	Α.	No, I haven't.  Do you have an opinion of Dr. Scott ne?
17:24:05 <b>6</b> 17:24:10 <b>7</b> 17:24:13 <b>8</b>	A. Q. meeting A.	The whole time that we've known each other. Okay. Did you take notes during your with Dr. Borak and Dr. Holford?	17:26:54 <b>5</b> 17:26:57 <b>6</b> 17:26:59 <b>7</b> 17:27:00 <b>8</b>	<b>A.</b> <b>Q.</b> Augustir	No, I haven't.  Do you have an opinion of Dr. Scott ne?  MR. COREY GORDON: Object to the form of
17:24:05 <b>6</b> 17:24:10 <b>7</b> 17:24:13 <b>8</b>	A. Q. meeting	The whole time that we've known each other. Okay. Did you take notes during your with Dr. Borak and Dr. Holford? No. I don't think so Well I don't think	17:26:54 <b>5</b> 17:26:57 <b>6</b> 17:26:59 <b>7</b> 17:27:00 <b>8</b>	A. Q.	No, I haven't.  Do you have an opinion of Dr. Scott ne?  MR. COREY GORDON: Object to the form of stion.
17:24:05 <b>6</b> 17:24:10 <b>7</b> 17:24:13 <b>8</b> 17:24:16 <b>9</b> 17:24:17 <b>10</b>	A. Q. meeting A. so, no. Q.	The whole time that we've known each other. Okay. Did you take notes during your with Dr. Borak and Dr. Holford? No. I don't think so Well I don't think Okay. On page 72?	17:26:54 <b>5</b> 17:26:57 <b>6</b> 17:26:59 <b>7</b> 17:27:00 <b>8</b> 17:27:02 <b>9</b>	A. Q. Augustin the ques	No, I haven't.  Do you have an opinion of Dr. Scott ne?  MR. COREY GORDON: Object to the form of stion.  As In what way, opinion as to
17:24:05 <b>6</b> 17:24:10 <b>7</b> 17:24:13 <b>8</b> 17:24:16 <b>9</b> 17:24:17 <b>10</b> 17:25:08 <b>11</b>	A. Q. meeting A. so, no. Q. A.	The whole time that we've known each other. Okay. Did you take notes during your with Dr. Borak and Dr. Holford? No. I don't think so Well I don't think Okay. On page 72? Okay.	17:26:54 <b>5</b> 17:26:57 <b>6</b> 17:26:59 <b>7</b> 17:27:00 <b>8</b> 17:27:02 <b>9</b> 17:27:02 <b>10</b> 17:27:04 <b>11</b>	A. Q. Augustin the ques A. Q.	No, I haven't. Do you have an opinion of Dr. Scott ne? MR. COREY GORDON: Object to the form of stion. As In what way, opinion as to As an inventor, as a doctor?
17:24:05 6 17:24:10 7 17:24:13 8 17:24:16 9 17:24:17 10 17:25:08 11 17:25:08 12	A. Q. meeting A. so, no. Q. A. Q.	The whole time that we've known each other. Okay. Did you take notes during your with Dr. Borak and Dr. Holford? No. I don't think so Well I don't think Okay. On page 72? Okay. The highlighted section says: "In the	17:26:54 <b>5</b> 17:26:57 <b>6</b> 17:26:59 <b>7</b> 17:27:00 <b>8</b> 17:27:02 <b>9</b> 17:27:02 <b>10</b> 17:27:04 <b>11</b> 17:27:07 <b>12</b>	A. Q. Augustin the quest A. Q. A.	No, I haven't.  Do you have an opinion of Dr. Scott ne?  MR. COREY GORDON: Object to the form of stion.  As In what way, opinion as to As an inventor, as a doctor?  Well he's creative, obviously. The guy, you
17:24:05 6 17:24:10 7 17:24:13 8 17:24:16 9 17:24:17 10 17:25:08 11 17:25:08 12 17:25:12 13	A. Q. meeting A. so, no. Q. A. Q. discover	The whole time that we've known each other. Okay. Did you take notes during your with Dr. Borak and Dr. Holford? No. I don't think so Well I don't think  Okay. On page 72? Okay. The highlighted section says: "In the y phase of the trial, it has been shown that 7	17:26:54	A. Q. Augustin the ques A. Q. A. know, in	No, I haven't.  Do you have an opinion of Dr. Scott ne?  MR. COREY GORDON: Object to the form of stion.  As In what way, opinion as to As an inventor, as a doctor?  Well he's creative, obviously. The guy, you exented the Bair Hugger and I I would say
17:24:05 6 17:24:10 7 17:24:13 8 17:24:16 9 17:24:17 10 17:25:08 11 17:25:08 12 17:25:15 14	A. Q. meeting A. so, no. Q. A. Q. discover studies s	The whole time that we've known each other. Okay. Did you take notes during your with Dr. Borak and Dr. Holford? No. I don't think so Well I don't think  Okay. On page 72? Okay. The highlighted section says: "In the y phase of the trial, it has been shown that 7 showing safety of the Bair Hugger were not	17:26:54	A. Q. Augusting the quest A. Q. A. know, in he's a real	No, I haven't. Do you have an opinion of Dr. Scott ne? MR. COREY GORDON: Object to the form of stion. As In what way, opinion as to As an inventor, as a doctor? Well he's creative, obviously. The guy, you evented the Bair Hugger and I I would say the state of the state of the say and each entrepreneur. I have a lot of criticisms
17:24:05 6 17:24:10 7 17:24:13 8 17:24:16 9 17:24:17 10 17:25:08 11 17:25:08 12 17:25:12 13 17:25:15 14 17:25:17 15	A. Q. meeting A. so, no. Q. A. Q. discover studies spublishe	The whole time that we've known each other. Okay. Did you take notes during your with Dr. Borak and Dr. Holford? No. I don't think so Well I don't think  Okay. On page 72? Okay. The highlighted section says: "In the y phase of the trial, it has been shown that 7 showing safety of the Bair Hugger were not d, were kept secret."	17:26:54	A. Q. Augustin the quest A. Q. A. know, in he's a reof his more	No, I haven't. Do you have an opinion of Dr. Scott ne? MR. COREY GORDON: Object to the form of stion. As In what way, opinion as to As an inventor, as a doctor? Well he's creative, obviously. The guy, you nivented the Bair Hugger and I I would say eal entrepreneur. I have a lot of criticisms ost recent study, if that's what you mean.
17:24:05 6 17:24:10 7 17:24:13 8 17:24:16 9 17:24:17 10 17:25:08 11 17:25:08 12 17:25:12 13 17:25:15 14 17:25:17 15 17:25:19 16	A. Q. meeting A. so, no. Q. A. Q. discover studies spublishe A.	The whole time that we've known each other. Okay. Did you take notes during your with Dr. Borak and Dr. Holford? No. I don't think so Well I don't think  Okay. On page 72? Okay. The highlighted section says: "In the y phase of the trial, it has been shown that 7 showing safety of the Bair Hugger were not d, were kept secret."  Yeah.	17:26:54	A. Q. Augustin the quest A. Q. A. know, in he's a reof his m. Q.	No, I haven't. Do you have an opinion of Dr. Scott ne? MR. COREY GORDON: Object to the form of stion. As In what way, opinion as to As an inventor, as a doctor? Well he's creative, obviously. The guy, you exerted the Bair Hugger and I I would say eal entrepreneur. I have a lot of criticisms ost recent study, if that's what you mean. That's not in your report, is it, sir?
17:24:05 6 17:24:10 7 17:24:13 8 17:24:16 9 17:24:17 10 17:25:08 11 17:25:08 12 17:25:15 14 17:25:17 15 17:25:19 16 17:25:21 17	A. Q. meeting A. so, no. Q. A. Q. discover studies spublishe A. Q.	The whole time that we've known each other. Okay. Did you take notes during your with Dr. Borak and Dr. Holford? No. I don't think so Well I don't think  Okay. On page 72? Okay. The highlighted section says: "In the y phase of the trial, it has been shown that 7 showing safety of the Bair Hugger were not d, were kept secret."	17:26:54	A. Q. Augusting the quest A. Q. A. know, in he's a reof his more Q. A.	No, I haven't. Do you have an opinion of Dr. Scott ne? MR. COREY GORDON: Object to the form of stion. As In what way, opinion as to As an inventor, as a doctor? Well he's creative, obviously. The guy, you evented the Bair Hugger and I I would say eal entrepreneur. I have a lot of criticisms ost recent study, if that's what you mean. That's not in your report, is it, sir? No.
17:24:05 6 17:24:10 7 17:24:13 8 17:24:16 9 17:24:17 10 17:25:08 11 17:25:08 12 17:25:12 13 17:25:15 14 17:25:17 15 17:25:19 16 17:25:21 17 17:25:21 18	A. Q. meeting A. so, no. Q. A. Q. discover studies spublishe A. Q. secret?	The whole time that we've known each other. Okay. Did you take notes during your with Dr. Borak and Dr. Holford? No. I don't think so Well I don't think  Okay. On page 72? Okay. The highlighted section says: "In the y phase of the trial, it has been shown that 7 showing safety of the Bair Hugger were not d, were kept secret."  Yeah. What makes you believe that they were kept	17:26:54	A. Q. Augusting the quest A. Q. A. know, in he's a resoft his man Q. A. Q.	No, I haven't. Do you have an opinion of Dr. Scott ne?  MR. COREY GORDON: Object to the form of stion. As In what way, opinion as to As an inventor, as a doctor? Well he's creative, obviously. The guy, you need the Bair Hugger and I I would say eal entrepreneur. I have a lot of criticisms ost recent study, if that's what you mean. That's not in your report, is it, sir? No. Okay. Do you have any criticisms of the
17:24:05 6 17:24:10 7 17:24:13 8 17:24:16 9 17:24:17 10 17:25:08 11 17:25:08 12 17:25:12 13 17:25:15 14 17:25:17 15 17:25:19 16 17:25:21 17 17:25:22 18 17:25:25 19	A. Q. meeting A. so, no. Q. A. Q. discover studies s publishe A. Q. secret? A.	The whole time that we've known each other. Okay. Did you take notes during your with Dr. Borak and Dr. Holford? No. I don't think so Well I don't think  Okay. On page 72? Okay. The highlighted section says: "In the y phase of the trial, it has been shown that 7 showing safety of the Bair Hugger were not d, were kept secret." Yeah. What makes you believe that they were kept  Because they were never published. They	17:26:54	A. Q. Augustin the quest A. Q. A. know, in he's a reof his m Q. A. Q. HotDog	No, I haven't. Do you have an opinion of Dr. Scott ne? MR. COREY GORDON: Object to the form of stion. As In what way, opinion as to As an inventor, as a doctor? Well he's creative, obviously. The guy, you need the Bair Hugger and I I would say eal entrepreneur. I have a lot of criticisms ost recent study, if that's what you mean. That's not in your report, is it, sir? No. Okay. Do you have any criticisms of the device?
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	CC	CASE 0:15-md-02666-JNE-DTS DOC NFIDENTIAL SUBJECT TO PROTECTIVE ORDER	<del>. 823-7</del>	Filed 09/12/17 Page 93 of 95 CONFIDENTIAL - SUBJECT TO PROTECTIVE ORDE
		361		363
7:27:50 1	orthope	dic surgeries.	17:30:45 <b>1</b>	World countries.
7:27:52 <b>2</b>	Α.	I haven't seen that. But what it show if	17:30:45 <b>2</b>	A. I would.
7:27:55 <b>3</b>	you're ta	alking about particles or stuff like that?	17:30:46 <b>3</b>	MR. COREY GORDON: Object to the form of
7:27:58 4	Q.	I'm talking about efficacy of warming	17:30:47 4	the question.
7:28:00 <b>5</b>	patients		17:30:48 <b>5</b>	Q. So I want to turn to Chapter 21. I only
7:28:00 6	A.	No. There I don't think there are any	17:30:52 6	printed up Chapter 21.
7:28:02 7	data.	,	17:30:57	A. Yes.
7:28:26	Q.	Now is it my understanding that you would	17:30:59	Q. Let's look at page paragraph on the
•	-	clinical study to Strike that.		bottom of page 134 that starts with "exogenous"?
	need a C			
7:28:36 10		If a device contaminates the sterile field,	17:31:07 10	A. Okay.
7:28:43 11	-	ld need a clinical study to show that it caused	17:31:08 11	Q. And this is
7:28:45 12	harm?		17:31:10 12	And you reviewed this before; correct?
7:28:46 13		MR. COREY GORDON: Object to the form of	17:31:11 13	A. I did see this.
7:28:48 14	the ques	stion, incomplete hypothetical.	17:31:12 14	<b>Q.</b> And you approved this for publication;
7:28:52 15	Α.	I would say that would be a signal that	17:31:13 15	correct?
:28:56 16	would le	ad to a study that we would see whether or not	17:31:13 16	A. I did.
:29:00 17	that sigr	nal with, let's say, particles equate to	17:31:14 17	Q. Okay. "Exogenous contamination of wounds i
:29:05 18	infection	, and that's what I would want to have.	17:31:17 18	also important in the pathophysiology of SSIs,
7:29:30 19	_	All right. You're a member of the	17:31:21 19	particularly for clean surgical procedures."
7:29:41 <b>20</b>		ional Society For Infectious Disease; correct?	17:31:23 20	Did I read that correctly?
7:29:43 21		That's true.	17:31:24 21	A. Yes.
:29:44 <b>22</b>	Q.	Are you still a member?	17:31:24 21	Q. And a clean surgical a clean surgical
	_	•		
:29:45 23	Α.	Yeah. You're a kind of a member forever.	17:31:27 23	procedure would be a total hip or total knee
1:29:47 <b>24</b>	Q.	Okay.	17:31:30 24	arthroplasty; correct?
7:29:47 <b>25</b>		(Wenzel Exhibit 13 marked for	17:31:31 <b>25</b>	A. That's correct.
		STIREWALT & ASSOCIATES		STIREWALT & ASSOCIATES
	,	1-800-553-1953 info@stirewalt.com		1-800-553-1953 info@stirewalt.com
	CC	NFIDENTIAL - SUBJECT TO PROTECTIVE ORDER		CONFIDENTIAL - SUBJECT TO PROTECTIVE ORDE
		362		364
7:29:47 <b>1</b>			17:31:32 1	364 <b>Q.</b> "Airborne bacteria originating from the
•	BY MR.	362 identification.) ASSAAD:	17:31:32 <b>1</b> 17:31:34 <b>2</b>	
7:29:47 <b>1</b> 7:29:47 <b>2</b> 7:30:01 <b>3</b>	_	identification.) ASSAAD:	17:31:34 2	<b>Q.</b> "Airborne bacteria originating from the patient or the surgical team suffice to create SSI in
7:29:47 <b>2</b> 7:30:01 <b>3</b>	Q.	identification.) ASSAAD: Do you recognize this document?	17:31:34 <b>2</b> 17:31:38 <b>3</b>	<b>Q.</b> "Airborne bacteria originating from the patient or the surgical team suffice to create SSI in these types of procedures, particularly when implants
7:29:47 <b>2</b> 7:30:01 <b>3</b> 7:30:03 <b>4</b>	Q. A.	identification.) ASSAAD: Do you recognize this document? I do.	17:31:34 <b>2</b> 17:31:38 <b>3</b> 17:31:41 <b>4</b>	<b>Q.</b> "Airborne bacteria originating from the patient or the surgical team suffice to create SSI in these types of procedures, particularly when implants are being placed (example, total hip prostheses)."
7:29:47 <b>2</b> 7:30:01 <b>3</b> 7:30:03 <b>4</b> 7:30:04 <b>5</b>	Q. A. Q.	identification.) ASSAAD: Do you recognize this document? I do. It's titled, "A Guide to Infection Control	17:31:34 <b>2</b> 17:31:38 <b>3</b> 17:31:41 <b>4</b> 17:31:44 <b>5</b>	<b>Q.</b> "Airborne bacteria originating from the patient or the surgical team suffice to create SSI in these types of procedures, particularly when implants are being placed (example, total hip prostheses)."  Did I read that correctly?
1:29:47 <b>2</b> 1:30:01 <b>3</b> 1:30:03 <b>4</b> 1:30:04 <b>5</b> 1:30:06 <b>6</b>	Q. A. Q. in the H	identification.) ASSAAD: Do you recognize this document? I do. It's titled, "A Guide to Infection Controlospital, Fourth Edition"; correct?	17:31:34 <b>2</b> 17:31:38 <b>3</b> 17:31:41 <b>4</b> 17:31:44 <b>5</b> 17:31:46 <b>6</b>	<ul> <li>Q. "Airborne bacteria originating from the patient or the surgical team suffice to create SSI in these types of procedures, particularly when implants are being placed (example, total hip prostheses)."         Did I read that correctly?     </li> <li>A. You did.</li> </ul>
1:29:47 <b>2</b> 1:30:01 <b>3</b> 1:30:03 <b>4</b> 1:30:04 <b>5</b> 1:30:06 <b>6</b>	Q. A. Q. in the H	identification.) ASSAAD: Do you recognize this document? I do. It's titled, "A Guide to Infection Control cospital, Fourth Edition"; correct? Yes.	17:31:34 <b>2</b> 17:31:38 <b>3</b> 17:31:41 <b>4</b> 17:31:44 <b>5</b> 17:31:46 <b>6</b> 17:31:46 <b>7</b>	<ul> <li>Q. "Airborne bacteria originating from the patient or the surgical team suffice to create SSI in these types of procedures, particularly when implants are being placed (example, total hip prostheses)."  Did I read that correctly?</li> <li>A. You did.</li> <li>Q. Okay. Those are the surgeries that are at</li> </ul>
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29:47 2 30:01 3 30:03 4 30:04 5 30:06 6 30:09 7 30:09 8 30:11 10 30:13 11 30:14 12 30:15 13 30:19 14 30:20 15 30:21 16 30:24 17 30:29 18 30:32 19 30:32 19 30:34 20 30:33 21 30:33 21 30:33 22	Q. A. Q. in the H A. Q. A. Q. this boo A. Q. correct? A. trying to just limi for healt Q. countrie	identification.) ASSAAD: Do you recognize this document? I do. It's titled, "A Guide to Infection Control ospital, Fourth Edition"; correct? Yes. And you're the editor; correct? Yes. And we discussed this doc we discussed to before; correct? We did. Okay. And you had And you believe this is authoritative;  Yeah, with the context I gave you what we're to do in poor countries where the resources are ted, we tried to come up with some key points theare workers. Are you saying this only applies to poor and not to the United States? No, but that was the major that was the	17:31:34	<ul> <li>Q. "Airborne bacteria originating from the patient or the surgical team suffice to create SSI in these types of procedures, particularly when implants are being placed (example, total hip prostheses)."  Did I read that correctly?  A. You did. Q. Okay. Those are the surgeries that are at issue in this case; correct?  A. Yes. Q. Okay. Airborne contamination well well affect other clean surgical procedures with long exposure times and large surface areas, period.  Correct?  A. Yes. Q. "The main source of airborne bacteria in the OR originate primarily from the skin of individuals in the room," period.  Did I read that correctly?  A. You did. Q. "The number of persons present in the OR as well as their level of activity, the type of surgery,</li> </ul>
229:47 2 3:30:01 3 4:30:03 4 5:30:04 5 6:30:09 7 8:30:01 10 10 10 10 10 10 10 10 10 10 10 10 1	Q. A. Q. in the H A. Q. A. Q. this boo A. Q. correct? A. trying to just limi for healt Q. countrie A. major th	identification.) ASSAAD: Do you recognize this document? I do. It's titled, "A Guide to Infection Control ospital, Fourth Edition"; correct? Yes. And you're the editor; correct? Yes. And we discussed this doc we discussed to before; correct? We did. Okay. And you had And you believe this is authoritative;  Yeah, with the context I gave you what we're to do in poor countries where the resources are ted, we tried to come up with some key points theare workers. Are you saying this only applies to poor and not to the United States? No, but that was the major that was the	17:31:34	<ul> <li>Q. "Airborne bacteria originating from the patient or the surgical team suffice to create SSI in these types of procedures, particularly when implants are being placed (example, total hip prostheses)."  Did I read that correctly?  A. You did. Q. Okay. Those are the surgeries that are at issue in this case; correct?  A. Yes. Q. Okay. Airborne contamination well well affect other clean surgical procedures with long exposure times and large surface areas, period.  Correct?  A. Yes. Q. "The main source of airborne bacteria in the OR originate primarily from the skin of individuals in the room," period.  Did I read that correctly?  A. You did. Q. "The number of persons present in the OR as well as their level of activity, the type of surgery, the quality of air provided, the rate of air exchange,</li> </ul>
229:47	Q. A. Q. in the H A. Q. A. Q. this boo A. Q. correct? A. trying to just limi for healt Q. countrie A. major th Q.	identification.) ASSAAD: Do you recognize this document? I do. It's titled, "A Guide to Infection Control ospital, Fourth Edition"; correct? Yes. And you're the editor; correct? Yes. And we discussed this doc we discussed to before; correct? We did. Okay. And you had And you believe this is authoritative;  Yeah, with the context I gave you what we're to do in poor countries where the resources are ted, we tried to come up with some key points thear workers. Are you saying this only applies to poor and not to the United States? No, but that was the major that was the inust.	17:31:34	<ul> <li>Q. "Airborne bacteria originating from the patient or the surgical team suffice to create SSI in these types of procedures, particularly when implants are being placed (example, total hip prostheses)."  Did I read that correctly?  A. You did. Q. Okay. Those are the surgeries that are at issue in this case; correct?  A. Yes. Q. Okay. Airborne contamination well well affect other clean surgical procedures with long exposure times and large surface areas, period.  Correct?  A. Yes. Q. "The main source of airborne bacteria in the OR originate primarily from the skin of individuals in the room," period.  Did I read that correctly?  A. You did. Q. "The number of persons present in the OR as well as their level of activity, the type of surgery, the quality of air provided, the rate of air exchange, the quality of staff clothing, the quality of cleaning</li> </ul>
7:29:47	Q. A. Q. in the H A. Q. A. Q. this boo A. Q. correct? A. trying to just limi for healt Q. countrie A. major th Q.	identification.) ASSAAD: Do you recognize this document? I do. It's titled, "A Guide to Infection Control ospital, Fourth Edition"; correct? Yes. And you're the editor; correct? Yes. And we discussed this doc we discussed to before; correct? We did. Okay. And you had And you believe this is authoritative;  Yeah, with the context I gave you what we're to do in poor countries where the resources are ted, we tried to come up with some key points there workers. Are you saying this only applies to poor and not to the United States? No, but that was the major that was the trust. But I would hope that you would treat, like,	17:31:34	<ul> <li>Q. "Airborne bacteria originating from the patient or the surgical team suffice to create SSI in these types of procedures, particularly when implants are being placed (example, total hip prostheses)."  Did I read that correctly?  A. You did. Q. Okay. Those are the surgeries that are at issue in this case; correct?  A. Yes. Q. Okay. Airborne contamination well well affect other clean surgical procedures with long exposure times and large surface areas, period.  Correct?  A. Yes. Q. "The main source of airborne bacteria in the OR originate primarily from the skin of individuals in the room," period.  Did I read that correctly?  A. You did. Q. "The number of persons present in the OR as well as their level of activity, the type of surgery, the quality of air provided, the rate of air exchange, the quality of staff clothing, the quality of cleaning process and the level of compliance with infection</li> </ul>

	CONFIDENTIAL - SUBJECT TO PROTECTIVE ORDER	<del>823-7</del>	Filed 09/12/17 Page 94 of 95 CONFIDENTIAL - SUBJECT TO PROTECTIVE ORDER
	365		367
17:32:31 <b>1</b>	contamination," period.	17:34:33 <b>1</b>	MR. COREY GORDON: I have nothing further.
17:32:32 <b>2</b>	Did I read that correctly?	17:34:34 <b>2</b>	MR. ASSAAD: I have one more question.
17:32:33	A. You did.	17:34:34 <b>3</b>	EXAMINATION
17:32:34 4	Q. And this is something that you agreed with	17:34:34 <b>4</b>	BY MR. ASSAAD:
17:32:35 <b>5</b>	at the time that it was published; correct?	17:34:39 <b>5</b>	<b>Q.</b> Go to page 134.
17:32:37	<b>A.</b> Agreed that, yes.	17:34:40 6	A. Oh, okay.
17:32:39 7	Q. Okay. "Although these may seem trivial	17:34:40 <b>7</b>	Q. When you read, "Most SSIs arise from the
17:32:44	issues for contaminated procedures or dirty	17:34:49	patient's endogenous flora which contaminate the wound
17:32:46	procedures, they are very important to consider in	17:34:52	by direct contact." "Direct contact" is is by
17:32:49 10	clean and clean-contaminated surgery," period.	17:34:56 10	by hand or some inanimate device; correct?
17:32:52 11	Did I read that correctly?	17:35:00 11	<b>A.</b> When I think of it I think that it's already
17:32:53 12	A. You did.	17:35:03 12	there, as you know, we've talked about this before,
17:32:53 13	Q. And that's something that you yourself as	17:35:05 13	and once the blade goes across that's direct contact
17:32:55 14	the the main editor, published in 2008; correct?	17:35:09 14	with the wound. Now she may mean, in addition, you
17:33:00 15	<b>A.</b> We did.	17:35:13	know, if there's a a scalpel that picks up part of
17:33:02 16	MR. ASSAAD: I have no more questions.	17:35:17 16	the flora and then is used in the wound. I would have
17:33:04 17	MR. COREY GORDON: I'll just have a couple.	17:35:21 17	to go back and talk to her if what she meant more
17:33:04 18	EXAMINATION	17:35:25 18	commonly, or both.
17:33:04 19	BY MR. COREY GORDON:	17:35:26 19	Q. But you understand bacteria when they
17:33:06 20	Q. Keep Exhibit 13 open. That paragraph that	17:35:29 20	talk about direct contact with bacteria, it's
17:33:09 21	counsel was just reading from in that sec Go back	17:35:31 21	transferring it from, like, your hand to a device or
17:33:15 22	to page 134.	17:35:33 22	your hand to a wound; correct?
17:33:17 23	A. Sure.	17:35:35 23	<b>A.</b> That's correct.
17:33:19 24	Q. Under "Known Facts."	17:35:37 24	MR. COREY GORDON: Object to the form of the
17:33:22 <b>25</b>	A. Yes.	17:35:37 <b>25</b>	question.
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	CONFIDENTIAL - SUBJECT TO PROTECTIVE ORDER 366		CONFIDENTIAL - SUBJECT TO PROTECTIVE ORDER 368
17:33:22 1		17:35:37	
17:33:22 <b>1</b> 17:33:24 <b>2</b>	366	17:35:37 <b>1</b> 17:35:38 <b>2</b>	368
•	366 <b>Q.</b> Could you just read the first sentence,	•	368 MR. ASSAAD: That's all I have.
17:33:24 2	Q. Could you just read the first sentence, please?	17:35:38 2	368 MR. ASSAAD: That's all I have. THE WITNESS: Okay.
17:33:24 <b>2</b> 17:33:25 <b>3</b>	Q. Could you just read the first sentence, please? A. "Most SSIs arises from the patient's	17:35:38 <b>2</b> 17:35:38 <b>3</b>	368 MR. ASSAAD: That's all I have. THE WITNESS: Okay. MR. COREY GORDON: We're done. We'll read
17:33:24 <b>2</b> 17:33:25 <b>3</b> 17:33:28 <b>4</b>	366  Q. Could you just read the first sentence, please?  A. "Most SSIs arises from the patient's endogenous flora which contaminate the wound by direct	17:35:38 <b>2</b> 17:35:38 <b>3</b> 17:35:40 <b>4</b>	368  MR. ASSAAD: That's all I have.  THE WITNESS: Okay.  MR. COREY GORDON: We're done. We'll read and sign.
17:33:24 <b>2</b> 17:33:25 <b>3</b> 17:33:28 <b>4</b> 17:33:31 <b>5</b>	Q. Could you just read the first sentence, please? A. "Most SSIs arises from the patient's endogenous flora which contaminate the wound by direct contact."	17:35:38 <b>2</b> 17:35:38 <b>3</b> 17:35:40 <b>4</b> 17:35:43 <b>5</b>	368  MR. ASSAAD: That's all I have.  THE WITNESS: Okay.  MR. COREY GORDON: We're done. We'll read and sign.  THE REPORTER: Off the record.
17:33:24 <b>2</b> 17:33:25 <b>3</b> 17:33:28 <b>4</b> 17:33:31 <b>5</b> 17:33:32 <b>6</b>	Q. Could you just read the first sentence, please? A. "Most SSIs arises from the patient's endogenous flora which contaminate the wound by direct contact." Q. Thank you.	17:35:38 <b>2</b> 17:35:38 <b>3</b> 17:35:40 <b>4</b> 17:35:43 <b>5</b> 17:35:44 <b>6</b>	368  MR. ASSAAD: That's all I have.  THE WITNESS: Okay.  MR. COREY GORDON: We're done. We'll read and sign.  THE REPORTER: Off the record.
17:33:24 <b>2</b> 17:33:25 <b>3</b> 17:33:28 <b>4</b> 17:33:31 <b>5</b> 17:33:32 <b>6</b> 17:33:33 <b>7</b>	Q. Could you just read the first sentence, please? A. "Most SSIs arises from the patient's endogenous flora which contaminate the wound by direct contact." Q. Thank you. And if you could turn to page 138?	17:35:38	368  MR. ASSAAD: That's all I have.  THE WITNESS: Okay.  MR. COREY GORDON: We're done. We'll read and sign.  THE REPORTER: Off the record.
17:33:24 <b>2</b> 17:33:25 <b>3</b> 17:33:28 <b>4</b> 17:33:31 <b>5</b> 17:33:32 <b>6</b> 17:33:33 <b>7</b> 17:33:39 <b>8</b>	Q. Could you just read the first sentence, please? A. "Most SSIs arises from the patient's endogenous flora which contaminate the wound by direct contact." Q. Thank you. And if you could turn to page 138? A. Yeah.	17:35:38	368  MR. ASSAAD: That's all I have.  THE WITNESS: Okay.  MR. COREY GORDON: We're done. We'll read and sign.  THE REPORTER: Off the record.
17:33:24 <b>2</b> 17:33:25 <b>3</b> 17:33:28 <b>4</b> 17:33:31 <b>5</b> 17:33:32 <b>6</b> 17:33:33 <b>7</b> 17:33:39 <b>8</b> 17:33:39 <b>9</b>	Q. Could you just read the first sentence, please?  A. "Most SSIs arises from the patient's endogenous flora which contaminate the wound by direct contact."  Q. Thank you. And if you could turn to page 138? A. Yeah. Q. And could you in the just read that	17:35:38	368  MR. ASSAAD: That's all I have.  THE WITNESS: Okay.  MR. COREY GORDON: We're done. We'll read and sign.  THE REPORTER: Off the record.
17:33:24 <b>2</b> 17:33:25 <b>3</b> 17:33:28 <b>4</b> 17:33:31 <b>5</b> 17:33:32 <b>6</b> 17:33:33 <b>7</b> 17:33:39 <b>8</b> 17:33:39 <b>9</b> 17:33:42 <b>10</b>	Q. Could you just read the first sentence, please?  A. "Most SSIs arises from the patient's endogenous flora which contaminate the wound by direct contact."  Q. Thank you. And if you could turn to page 138? A. Yeah. Q. And could you in the just read that first paragraph under "Controversial Issues" there.	17:35:38	368  MR. ASSAAD: That's all I have.  THE WITNESS: Okay.  MR. COREY GORDON: We're done. We'll read and sign.  THE REPORTER: Off the record.
17:33:24	Q. Could you just read the first sentence, please?  A. "Most SSIs arises from the patient's endogenous flora which contaminate the wound by direct contact."  Q. Thank you.  And if you could turn to page 138?  A. Yeah.  Q. And could you in the just read that first paragraph under "Controversial Issues" there.  A. "ORs equipped with laminar airflow system provide almost sterile air, yet a very few studies show a significant decrease in SSI rates for surgical	17:35:38	368  MR. ASSAAD: That's all I have.  THE WITNESS: Okay.  MR. COREY GORDON: We're done. We'll read and sign.  THE REPORTER: Off the record.
17:33:24	Q. Could you just read the first sentence, please?  A. "Most SSIs arises from the patient's endogenous flora which contaminate the wound by direct contact."  Q. Thank you. And if you could turn to page 138?  A. Yeah. Q. And could you in the just read that first paragraph under "Controversial Issues" there.  A. "ORs equipped with laminar airflow system provide almost sterile air, yet a very few studies show a significant decrease in SSI rates for surgical procedures performed in this type of OR."	17:35:38	368  MR. ASSAAD: That's all I have.  THE WITNESS: Okay.  MR. COREY GORDON: We're done. We'll read and sign.  THE REPORTER: Off the record.
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1	CERTIFICATE
2	I, Debby J. Campeau, hereby certify that I
3	am qualified as a verbatim shorthand reporter; that I
4	took in stenographic shorthand the testimony of
5	RICHARD P. WENZEL, M.D., MSc., at the time and place
6	aforesaid; and that the foregoing transcript
7	consisting of 368 pages is a true and correct, full
8	and complete transcription of said shorthand notes,
9	to the best of my ability.
10	Dated at Lino Lakes, Minnesota, this 9th
11	day of August, 2017.
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15	DEBBY J. CAMPEAU
16	Notary Public
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## STIREWALT & ASSOCIATES 1-800-553-1953 info@stirewalt.com

CONFIDENTIAL - SUBJECT TO PROTECTIVE ORDER S I G N A T U R E P A G E I, RICHARD P. WENZEL, M.D., MSc., the deponent, 3 hereby certify that I have read the foregoing 4 transcript, consisting of 368 pages, and that said 5 transcript is a true and correct, full and complete 6 transcription of my deposition, except per the attached corrections, if any. PAGE LINE CHANGE/REASON FOR CHANGE 18 19 Signature of Witness 21 WITNESS MY HAND AND SEAL this \_\_\_\_ 22 day of \_\_\_\_\_, 2017. 23 25 (DJC) STIREWALT & ASSOCIATES
1-800-553-1953 info@stirewalt.com